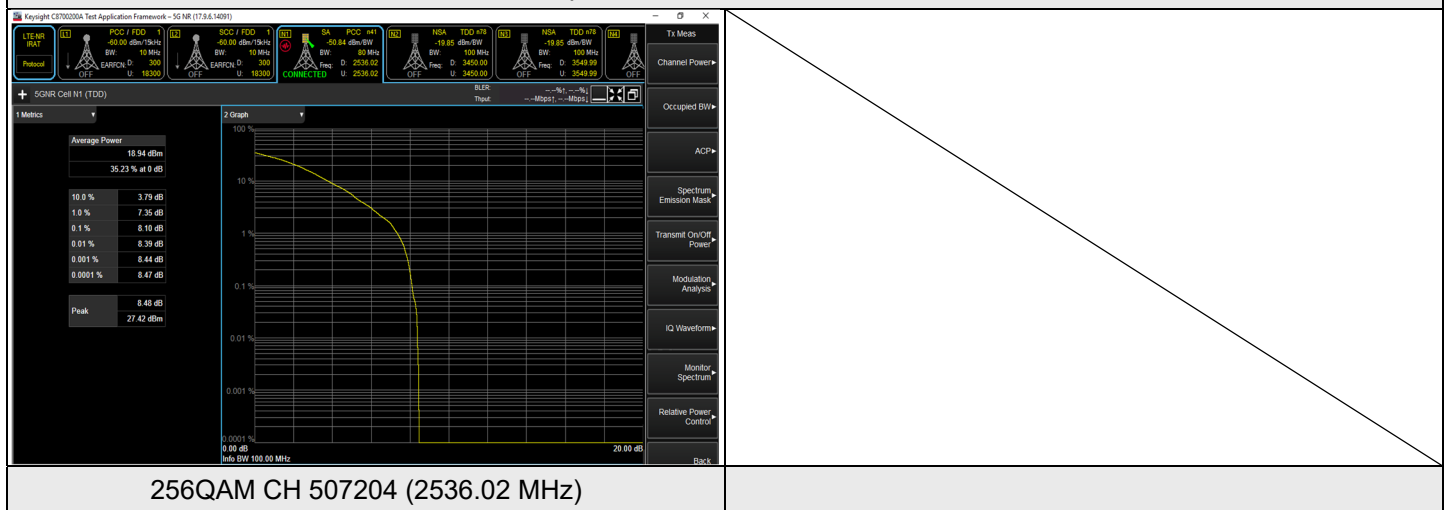


NR n41 SCS 30 kHz, Channel Bandwidth: 80 MHz

Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 507204	CH 518598	CH 529998
			2536.02 MHz	2592.99 MHz	2649.99 MHz
BPSK	1	216	3.9	3.34	3.21
	1	0	4.02	3.46	3.31
	216	0	3.96	3.42	3.23
QPSK	1	216	6.04	5.73	5.7
	1	0	6.16	5.78	5.71
	217	0	6.04	5.65	5.7
16QAM	1	216	5.82	6.15	5.2
	1	0	5.91	6.16	5.3
	217	0	5.84	6.1	5.24
64QAM	1	216	5.88	5.58	5.1
	1	0	5.89	5.59	5.23
	217	0	5.76	5.46	5.1
256QAM	1	216	8.07	7.91	7.52
	1	0	8.1	7.93	7.58
	217	0	7.98	7.84	7.55

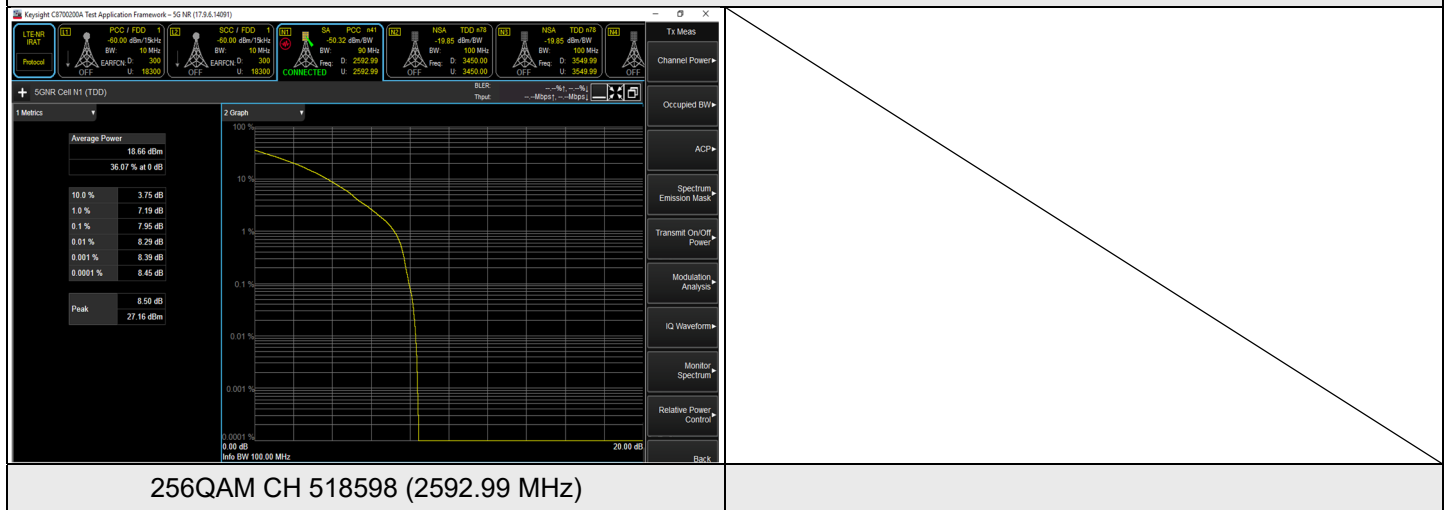
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, Channel Bandwidth: 90 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 508200	CH 518598	CH 528996
			2541 MHz	2592.99 MHz	2644.98 MHz
BPSK	1	244	3.93	3.49	3.26
	1	0	4.02	3.55	3.34
	243	0	4.00	3.49	3.26
QPSK	1	244	6.24	5.79	5.45
	1	0	6.25	5.9	5.5
	245	0	6.12	5.84	5.4
16QAM	1	244	6.06	5.76	5.34
	1	0	6.19	5.89	5.37
	245	0	6.08	5.85	5.35
64QAM	1	244	5.74	5.56	5.4
	1	0	5.79	5.67	5.42
	245	0	5.77	5.58	5.32
256QAM	1	244	7.85	7.83	7.25
	1	0	7.94	7.95	7.36
	245	0	7.82	7.93	7.26

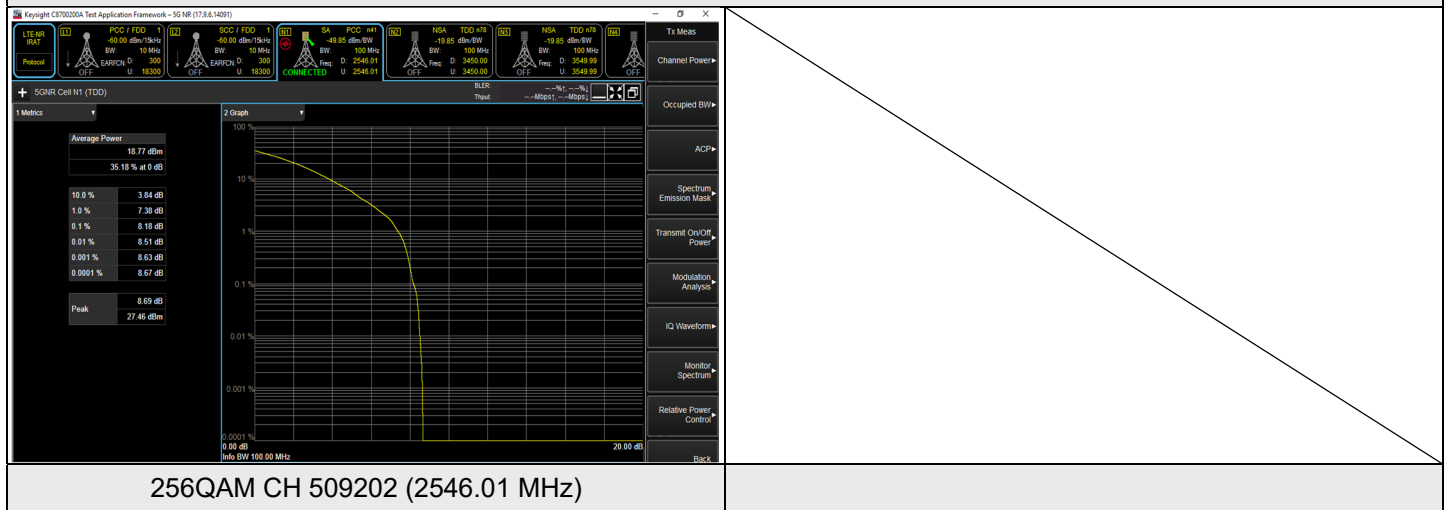
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, Channel Bandwidth: 100 MHz

Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 509202	CH 518598	CH 528000
			2546.01 MHz	2592.99 MHz	2640 MHz
BPSK	1	272	4.15	3.47	3.36
	1	0	4.21	3.53	3.38
	270	0	4.14	3.47	3.28
QPSK	1	272	4.99	5.81	5.53
	1	0	5.11	5.85	5.59
	272	0	5.09	5.75	5.56
16QAM	1	272	6.15	5.67	5.63
	1	0	6.28	5.77	5.68
	272	0	6.19	5.69	5.59
64QAM	1	272	6.03	5.67	5.2
	1	0	6.16	5.79	5.25
	272	0	6.05	5.67	5.12
256QAM	1	272	8.15	7.7	7.41
	1	0	8.18	7.71	7.43
	272	0	8.09	7.61	7.38

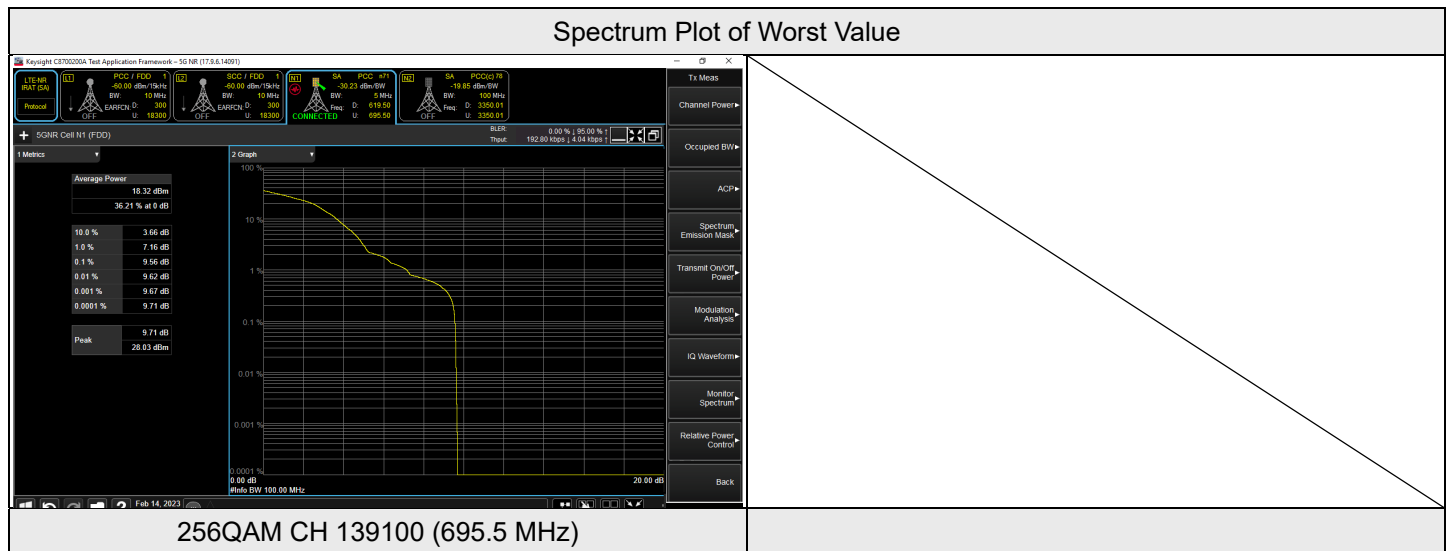
Spectrum Plot of Worst Value



7.3.4 NR n71 SCS 15 kHz

NR n71 SCS 15 kHz, Channel Bandwidth: 5 MHz

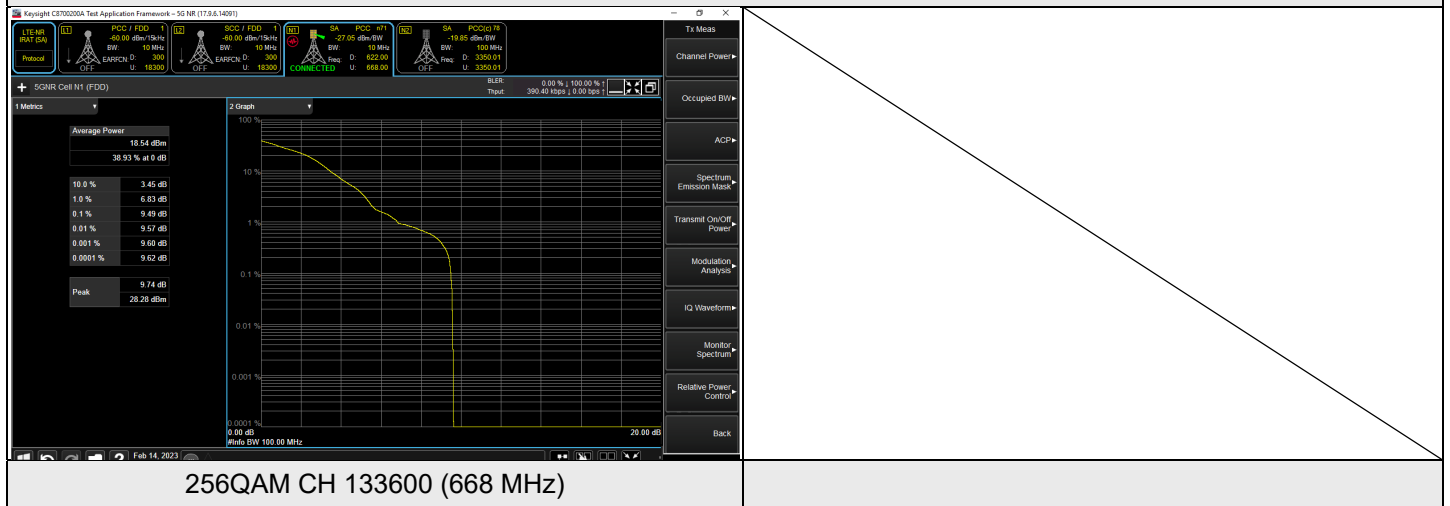
Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 133100	CH 136100	CH 139100
			665.5 MHz	680.5 MHz	695.5 MHz
BPSK	1	24	3.58	4.06	3.61
	1	0	3.61	4.17	3.81
	25	0	3.45	3.94	3.54
QPSK	1	24	6.20	6.89	6.37
	1	0	6.31	7.07	6.45
	25	0	6.11	6.98	6.22
16QAM	1	24	6.49	7.02	6.87
	1	0	6.66	7.11	7.04
	25	0	6.53	6.93	6.91
64QAM	1	24	7.09	7.48	7.38
	1	0	7.27	7.56	7.78
	25	0	7.12	7.67	7.42
256QAM	1	24	8.54	8.91	9.26
	1	0	8.65	9.09	9.56
	25	0	8.48	8.84	9.14



NR n71 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 133600	CH 136100	CH 138600
			668 MHz	680.5 MHz	693 MHz
BPSK	1	51	3.60	4.12	4.19
	1	0	3.80	4.42	4.52
	50	0	3.71	4.09	4.22
QPSK	1	51	7.07	7.49	7.57
	1	0	7.48	7.54	7.81
	52	0	7.12	7.34	7.44
16QAM	1	51	6.79	7.35	7.52
	1	0	6.98	7.51	7.75
	52	0	6.85	7.43	7.62
64QAM	1	51	7.41	7.34	8.05
	1	0	7.72	7.67	8.19
	52	0	7.30	7.28	7.91
256QAM	1	51	9.12	8.50	8.45
	1	0	9.49	8.89	8.67
	52	0	9.29	8.63	8.52

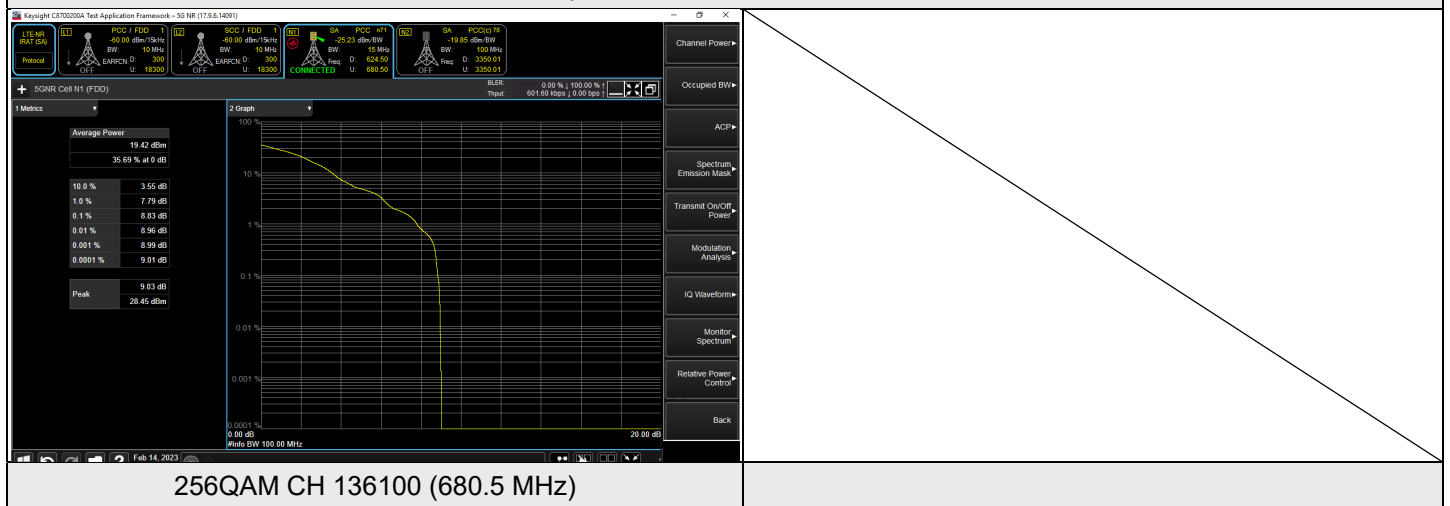
Spectrum Plot of Worst Value



NR n71 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 134100	CH 136100	CH 138100
			670.5 MHz	680.5 MHz	690.5 MHz
BPSK	1	78	4.12	3.49	4.21
	1	0	4.22	3.72	4.30
	75	0	4.07	3.31	4.18
QPSK	1	78	6.60	6.90	6.90
	1	0	6.89	7.30	7.25
	79	0	6.75	6.95	6.82
16QAM	1	78	6.97	6.85	7.62
	1	0	7.04	7.01	7.87
	79	0	6.87	6.76	7.70
64QAM	1	78	7.24	7.36	7.13
	1	0	7.32	7.40	7.18
	79	0	7.10	7.25	7.02
256QAM	1	78	8.42	8.72	8.26
	1	0	8.69	8.83	8.53
	79	0	8.54	8.62	8.35

Spectrum Plot of Worst Value

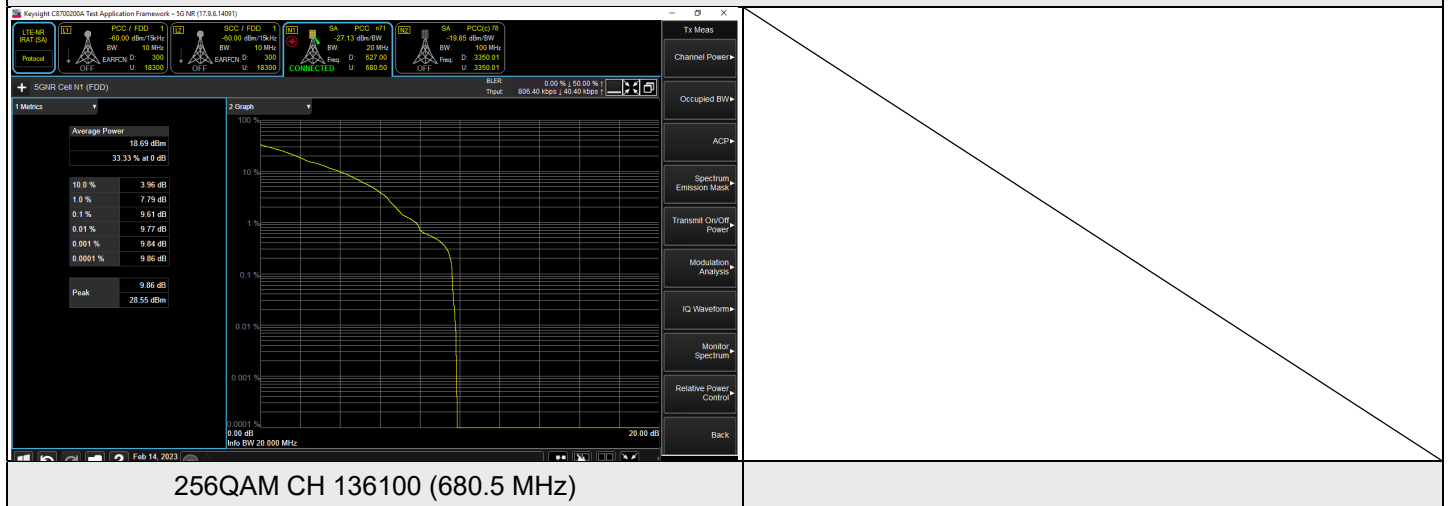


256QAM CH 136100 (680.5 MHz)

NR n71 SCS 15 kHz, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 134600	CH 136100	CH 137600
			673 MHz	680.5 MHz	688 MHz
BPSK	1	105	4.24	4.09	3.79
	1	0	4.49	4.16	3.95
	100	0	4.31	3.92	3.82
QPSK	1	106	6.27	6.91	7.39
	1	0	6.34	7.03	7.59
	106	0	6.11	6.88	7.48
16QAM	1	106	6.20	6.75	6.57
	1	0	6.66	7.07	7.06
	106	0	6.36	6.84	6.69
64QAM	1	106	6.87	7.32	7.47
	1	0	7.27	7.54	7.79
	106	0	6.95	7.15	7.55
256QAM	1	106	8.81	9.53	9.42
	1	0	9.02	9.61	9.51
	106	0	8.95	9.48	9.30

Spectrum Plot of Worst Value

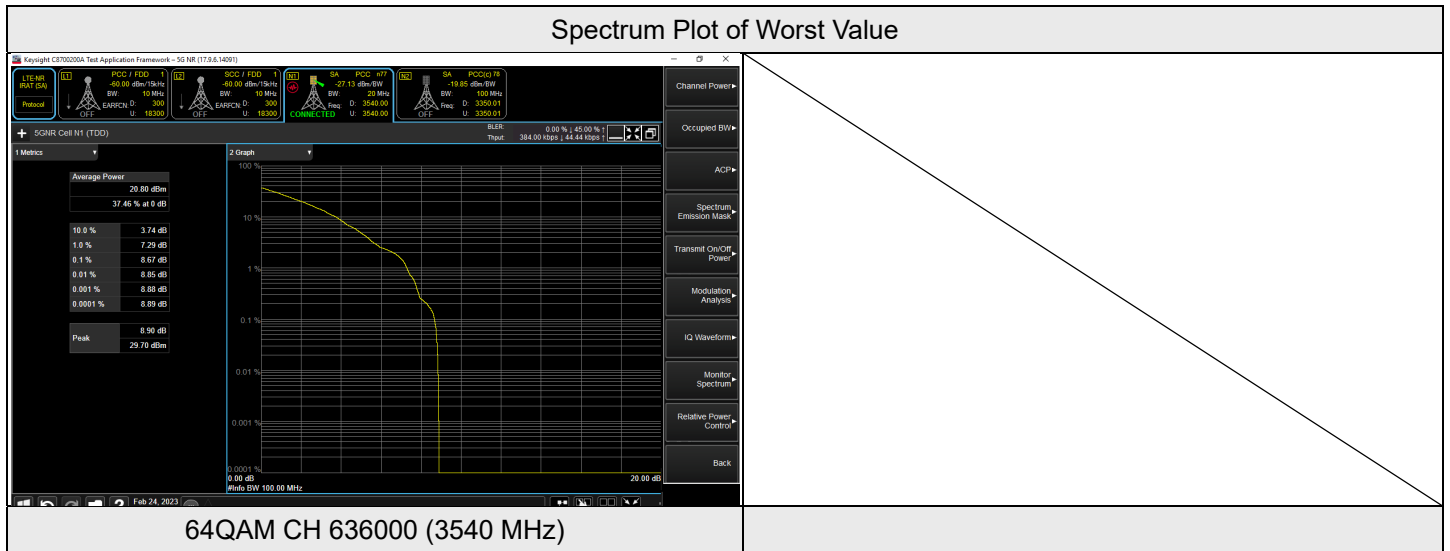


256QAM CH 136100 (680.5 MHz)

7.3.5 NR n77 (3450-3550 MHz) SCS 30 kHz

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 630668	CH 633334	CH 636000
			3460.02 MHz	3500.01 MHz	3540 MHz
BPSK	1	105	4.25	4.33	3.43
	1	0	4.66	4.63	3.86
	100	0	4.53	4.56	3.52
QPSK	1	105	6.97	6.60	6.51
	1	0	7.08	6.86	6.62
	106	0	6.87	6.45	6.37
16QAM	1	105	7.24	7.08	6.61
	1	0	7.41	7.19	6.82
	106	0	7.39	6.97	6.47
64QAM	1	105	7.96	7.68	6.90
	1	0	8.04	7.82	7.02
	106	0	7.86	7.78	6.95
256QAM	1	105	7.85	7.99	8.25
	1	0	8.04	8.03	8.67
	106	0	7.72	7.86	8.53

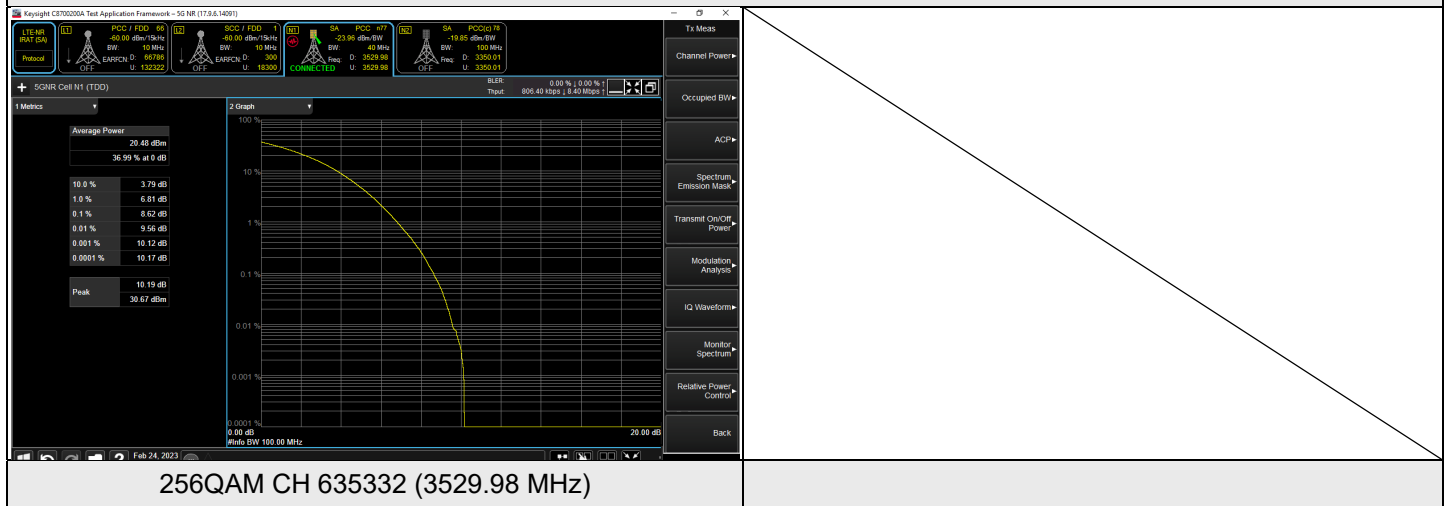




NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 40 MHz

Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 631334	CH 633334	CH 635332
			3470.01 MHz	3500.01 MHz	3529.98 MHz
BPSK	1	215	3.78	3.99	3.50
	1	0	3.92	4.19	3.89
	216	0	3.82	4.00	3.76
QPSK	1	215	6.51	6.30	6.43
	1	0	6.95	6.50	6.49
	216	0	6.83	6.40	6.39
16QAM	1	215	7.54	6.58	6.98
	1	0	7.93	6.89	7.02
	216	0	7.88	6.75	6.87
64QAM	1	215	7.33	7.66	7.28
	1	0	7.51	7.71	7.36
	216	0	7.43	7.48	7.16
256QAM	1	215	8.28	7.96	8.40
	1	0	8.56	8.06	8.62
	216	0	8.48	7.68	8.59

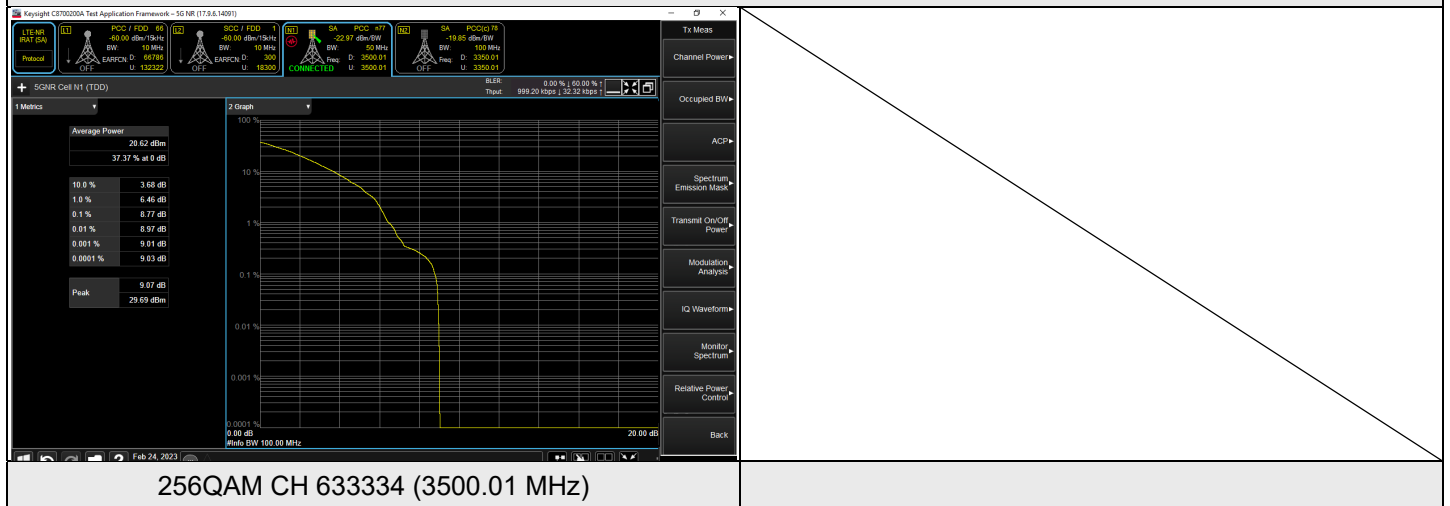
Spectrum Plot of Worst Value



NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 50 MHz

Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 631668	CH 633334	CH 635000
			3475.02 MHz	3500.01 MHz	3525 MHz
BPSK	1	269	3.45	4.01	3.89
	1	0	3.89	4.19	4.09
	270	0	3.75	4.11	3.90
QPSK	1	269	6.91	6.18	6.52
	1	0	7.04	6.45	6.65
	270	0	6.88	6.36	6.39
16QAM	1	269	7.27	6.77	6.55
	1	0	7.35	6.95	6.88
	270	0	7.19	6.80	6.77
64QAM	1	269	7.76	7.60	7.69
	1	0	8.02	7.98	7.79
	270	0	7.92	7.56	7.54
256QAM	1	269	7.93	8.51	7.97
	1	0	8.01	8.77	8.06
	270	0	7.68	8.60	7.66

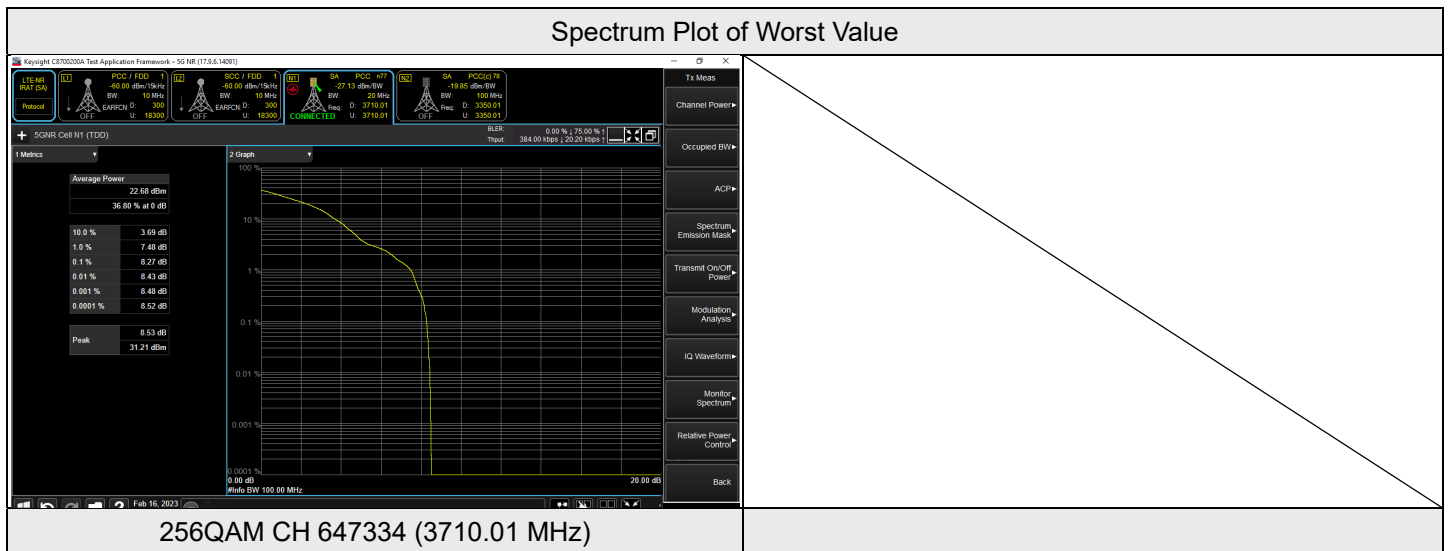
Spectrum Plot of Worst Value



7.3.6 NR n77 (3700-3980 MHz) SCS 30 kHz

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 20 MHz

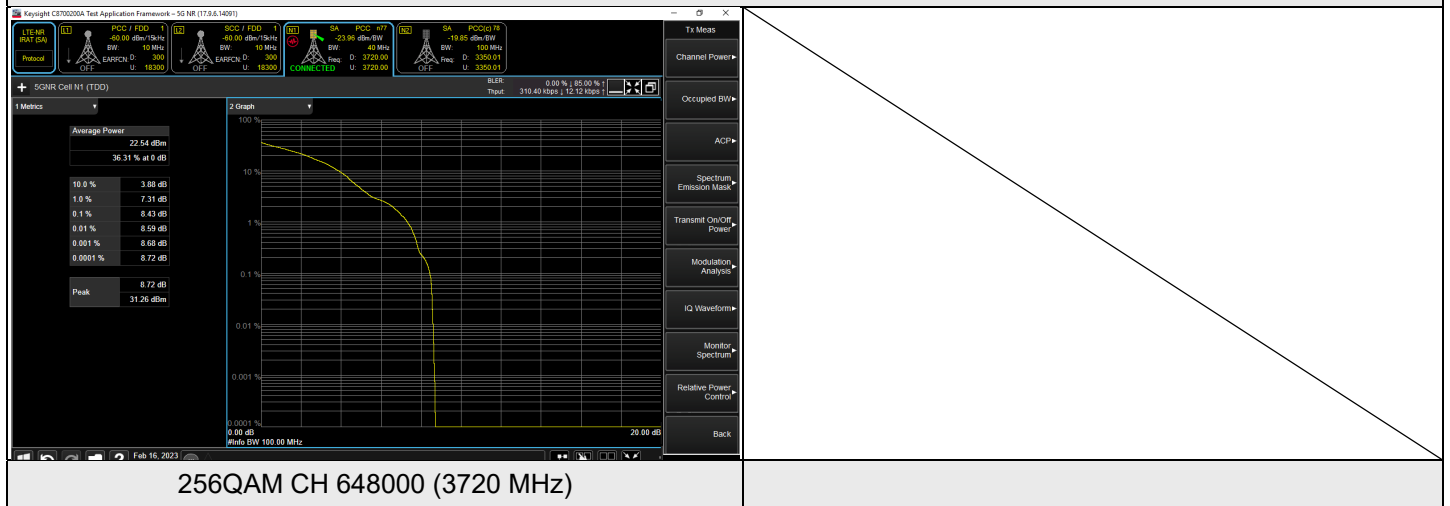
Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 647334	CH 656000	CH 664666
			3710.01 MHz	3840 MHz	3969.99 MHz
BPSK	1	105	3.60	3.69	4.24
	1	0	3.85	3.75	4.35
	100	0	3.52	3.50	4.14
QPSK	1	105	7.53	7.57	6.96
	1	0	7.78	7.76	7.12
	106	0	7.35	7.40	7.06
16QAM	1	105	7.46	7.64	6.94
	1	0	7.82	7.85	7.11
	106	0	7.56	7.45	7.03
64QAM	1	105	7.44	7.28	6.39
	1	0	7.66	7.46	6.66
	106	0	7.40	7.30	6.40
256QAM	1	105	7.93	8.10	7.81
	1	0	8.27	8.25	8.08
	106	0	7.89	7.99	7.92



NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 40 MHz

Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 648000	CH 656000	CH 664000
			3720 MHz	3840 MHz	3960 MHz
BPSK	1	215	3.47	3.86	3.30
	1	0	3.83	4.03	3.69
	216	0	3.79	3.95	3.42
QPSK	1	215	7.51	7.22	7.04
	1	0	7.90	7.37	7.19
	216	0	7.66	7.15	6.93
16QAM	1	215	7.58	7.31	7.28
	1	0	7.71	7.42	7.35
	216	0	7.44	7.20	7.17
64QAM	1	215	7.66	6.72	6.88
	1	0	7.79	6.82	7.25
	216	0	7.47	6.49	7.12
256QAM	1	215	8.38	7.98	7.98
	1	0	8.43	8.16	8.07
	216	0	8.25	8.02	7.87

Spectrum Plot of Worst Value

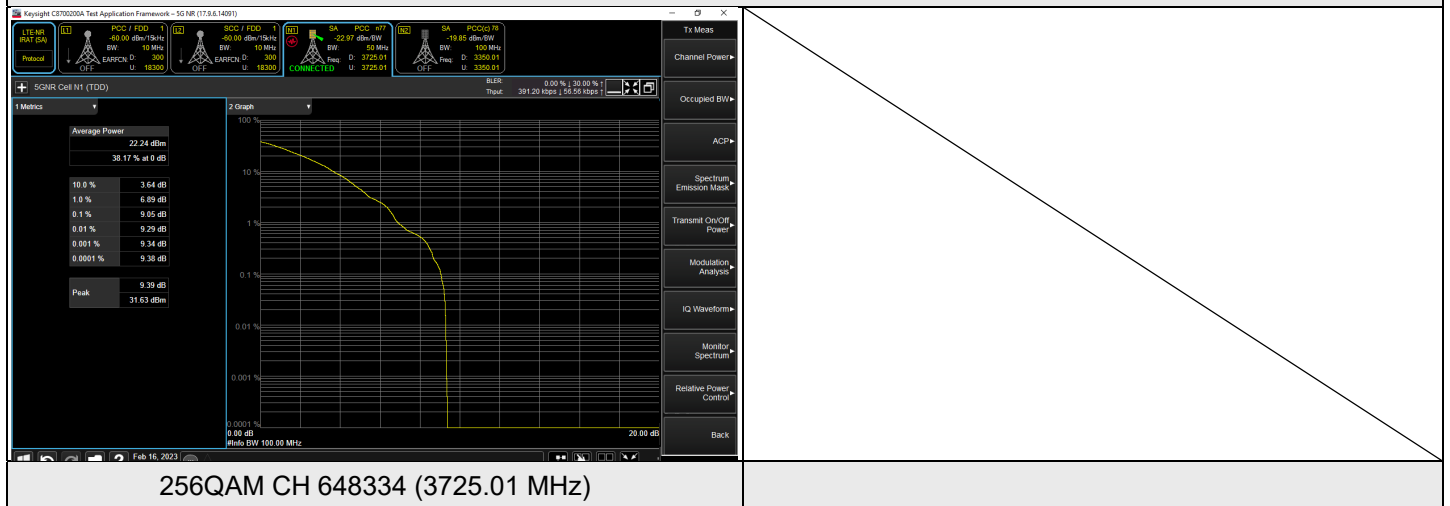


256QAM CH 648000 (3720 MHz)

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 50 MHz

Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 648334	CH 656000	CH 663666
			3725.01 MHz	3840 MHz	3954.99 MHz
BPSK	1	269	4.42	3.38	4.21
	1	0	4.58	3.76	4.31
	270	0	4.38	3.45	4.12
QPSK	1	269	7.44	6.78	6.96
	1	0	7.63	7.17	7.12
	270	0	7.39	6.83	7.09
16QAM	1	269	7.44	7.21	7.00
	1	0	7.72	7.38	7.13
	270	0	7.57	7.17	6.96
64QAM	1	269	7.73	7.61	7.37
	1	0	7.62	7.19	7.01
	270	0	8.39	8.45	8.38
256QAM	1	269	9.00	7.67	8.31
	1	0	9.05	8.05	8.49
	270	0	8.64	7.51	8.26

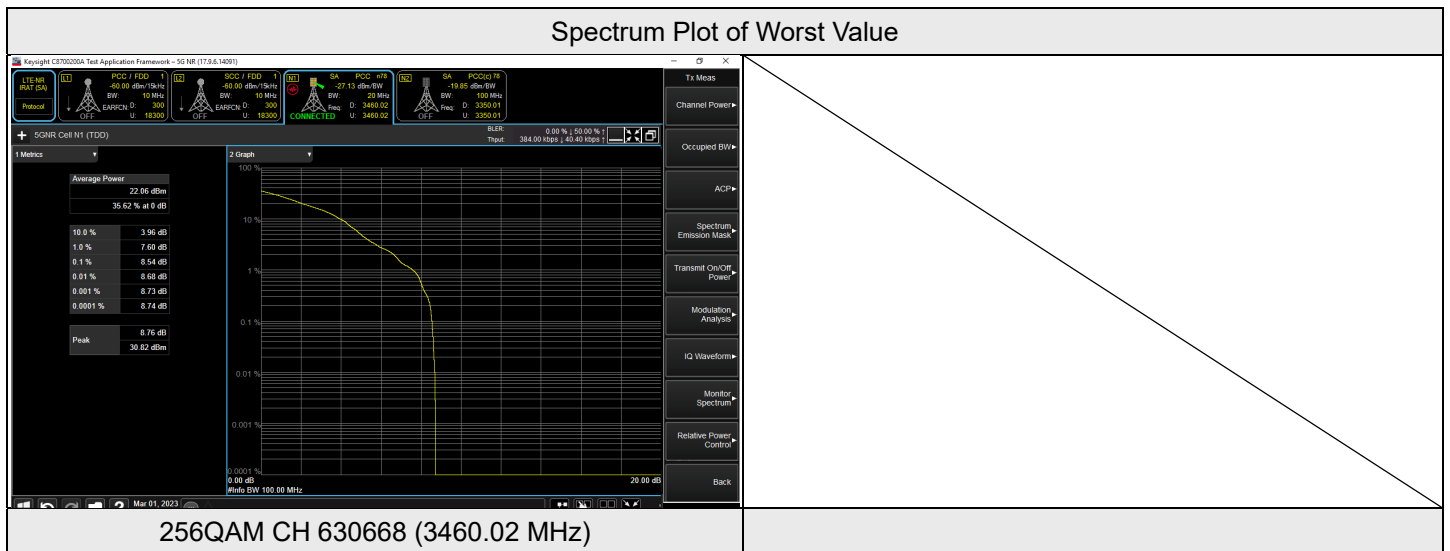
Spectrum Plot of Worst Value



7.3.7 NR n78 (3700-3980 MHz) SCS 30 kHz

NR n78 SCS 30 kHz, Channel Bandwidth: 20 MHz

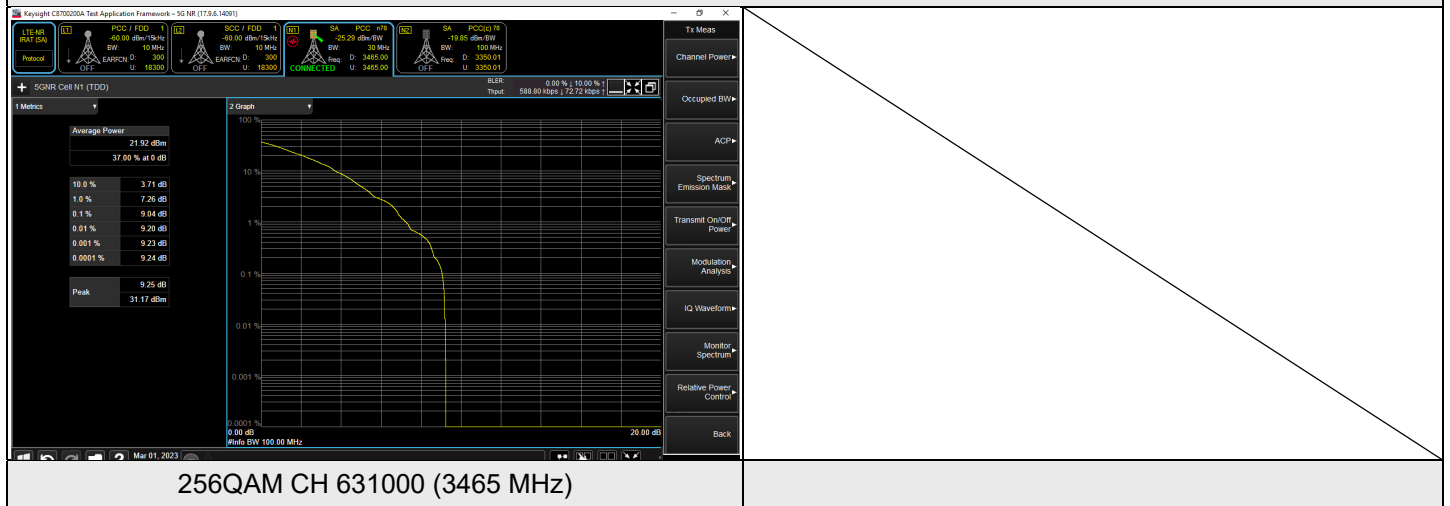
Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 630668	CH 633334	CH 636000
			3460.02 MHz	3500.01 MHz	3540 MHz
BPSK	1	105	3.65	3.63	3.63
	1	0	3.96	3.95	3.96
	100	0	3.53	3.56	3.52
QPSK	1	105	6.97	7.30	7.21
	1	0	7.25	7.48	7.37
	106	0	7.07	7.45	7.17
16QAM	1	105	7.24	7.58	7.31
	1	0	7.33	7.61	7.58
	106	0	7.19	7.47	7.47
64QAM	1	105	6.96	6.88	6.90
	1	0	7.24	7.06	7.37
	106	0	7.06	6.78	7.00
256QAM	1	105	8.45	8.39	8.25
	1	0	8.54	8.47	8.37
	106	0	8.32	8.26	8.13



NR n78 SCS 30 kHz, Channel Bandwidth: 30 MHz

Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 631000	CH 633334	CH 635666
			3465 MHz	3500.01 MHz	3534.99 MHz
BPSK	1	77	3.55	3.73	3.95
	1	0	3.96	3.96	4.34
	75	0	3.77	3.69	4.27
QPSK	1	77	7.18	7.16	6.50
	1	0	7.34	7.37	6.70
	78	0	7.09	7.26	6.60
16QAM	1	77	6.98	7.44	7.42
	1	0	7.17	7.68	7.61
	78	0	7.01	7.57	7.51
64QAM	1	77	7.07	7.41	7.35
	1	0	7.26	7.53	7.52
	78	0	7.16	7.31	7.45
256QAM	1	77	8.70	7.99	8.41
	1	0	9.04	8.37	8.67
	78	0	8.75	8.10	8.56

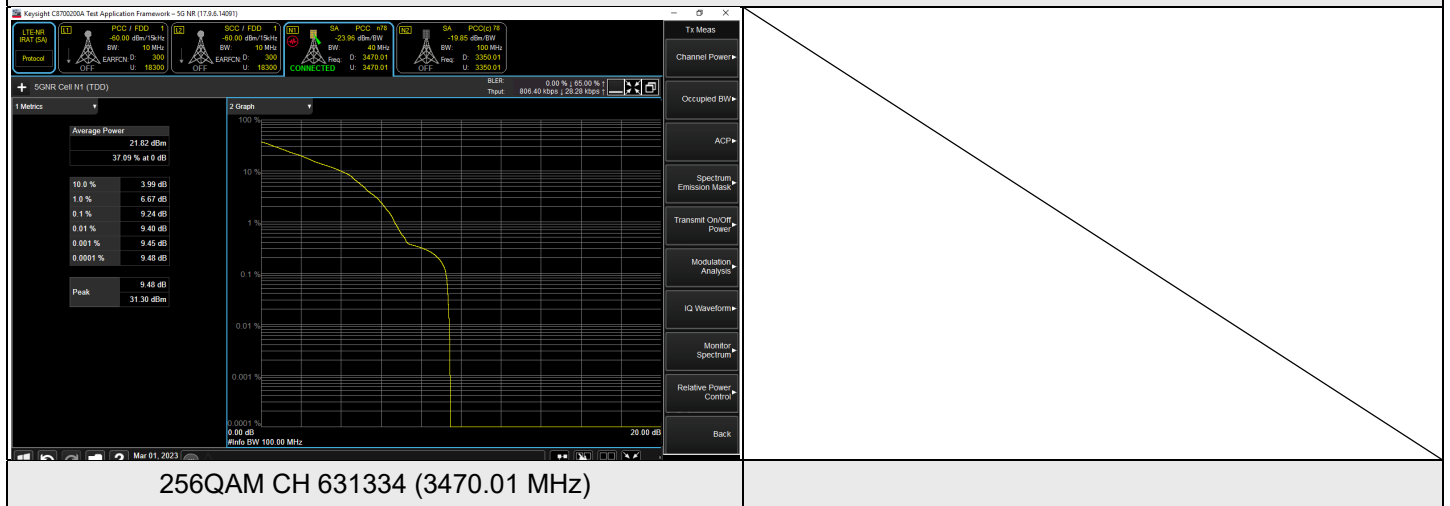
Spectrum Plot of Worst Value



NR n78 SCS 30 kHz, Channel Bandwidth: 40 MHz

Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 631334	CH 633334	CH 635332
			3470.01 MHz	3500.01 MHz	3529.98 MHz
BPSK	1	215	4.38	3.99	4.60
	1	0	4.57	4.28	4.94
	216	0	4.42	4.00	4.76
QPSK	1	215	6.51	6.30	6.43
	1	0	6.79	6.65	6.80
	216	0	6.43	6.40	6.59
16QAM	1	215	7.54	7.38	7.48
	1	0	7.67	7.51	7.53
	216	0	7.48	7.45	7.37
64QAM	1	215	6.93	7.36	7.28
	1	0	7.10	7.40	7.55
	216	0	7.03	7.28	7.36
256QAM	1	215	9.08	8.56	8.80
	1	0	9.24	8.79	9.10
	216	0	9.18	8.68	8.99

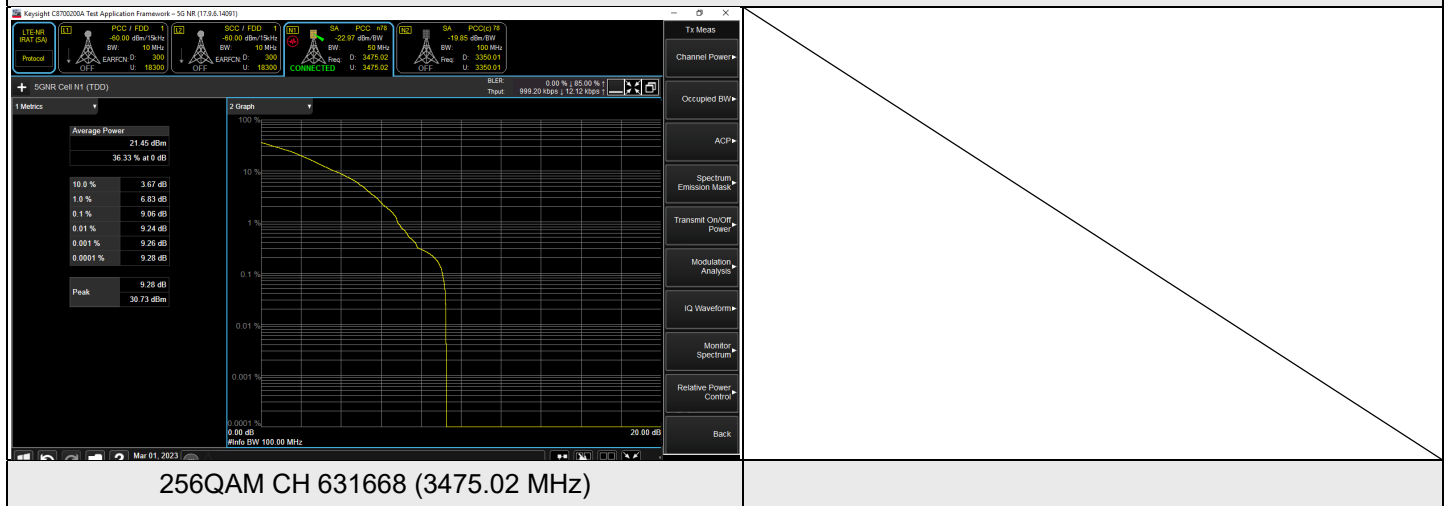
Spectrum Plot of Worst Value



NR n78 SCS 30 kHz, Channel Bandwidth: 50 MHz

Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 631668	CH 633334	CH 635000
			3475.02 MHz	3500.01 MHz	3525 MHz
BPSK	1	269	4.15	4.21	3.89
	1	0	4.35	4.47	4.32
	270	0	4.25	4.11	3.90
QPSK	1	269	6.91	6.48	6.52
	1	0	7.26	6.74	6.75
	270	0	7.18	6.36	6.49
16QAM	1	269	6.97	6.97	6.95
	1	0	7.09	7.34	7.24
	270	0	6.89	7.20	6.87
64QAM	1	269	7.56	7.20	7.49
	1	0	7.75	7.39	7.61
	270	0	7.62	7.16	7.54
256QAM	1	269	8.93	8.51	8.87
	1	0	9.06	8.74	8.92
	270	0	8.88	8.60	8.66

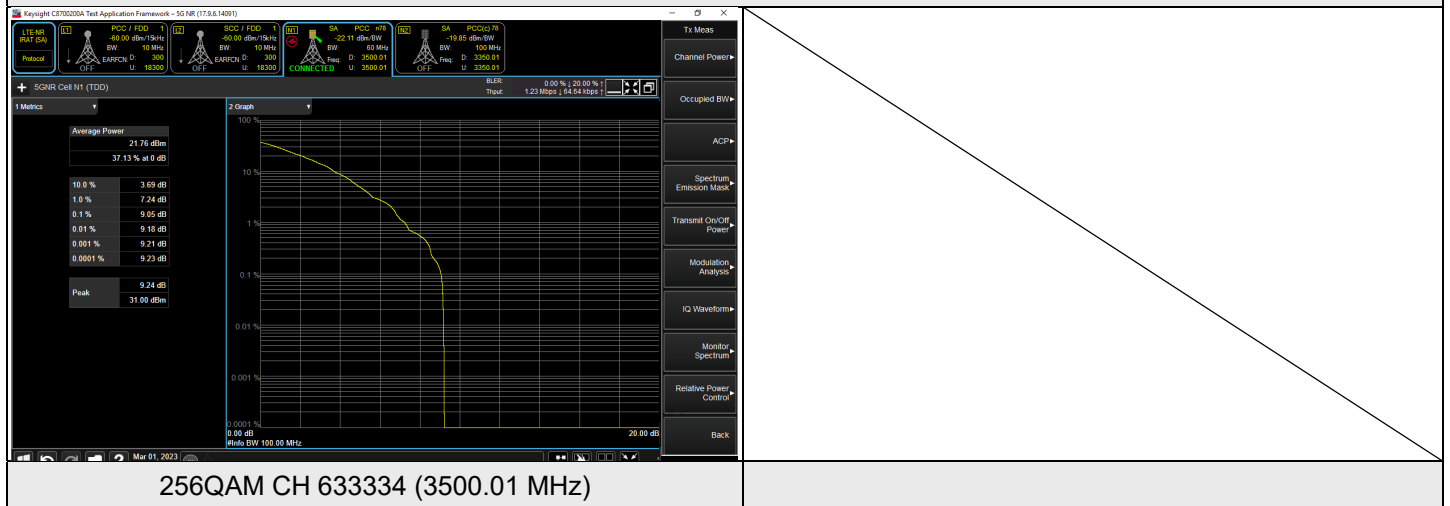
Spectrum Plot of Worst Value



NR n78 SCS 30 kHz, Channel Bandwidth: 60 MHz

Modulation	RB Size	RB Offset	Peak to Average Ratio (dB)		
			CH 632000	CH 633334	CH 634666
			3480 MHz	3500.01 MHz	3519.99 MHz
BPSK	1	161	3.79	3.70	3.75
	1	0	3.97	3.97	3.96
	162	0	3.80	3.87	3.82
QPSK	1	161	7.08	7.28	7.23
	1	0	7.44	7.45	7.42
	162	0	7.11	7.31	7.37
16QAM	1	161	7.22	7.27	7.48
	1	0	7.44	7.49	7.76
	162	0	7.33	7.32	7.57
64QAM	1	161	7.03	7.26	7.51
	1	0	7.37	7.41	7.71
	162	0	7.15	7.12	7.61
256QAM	1	161	7.98	8.85	7.90
	1	0	8.34	9.05	8.43
	162	0	8.22	8.98	8.34

Spectrum Plot of Worst Value



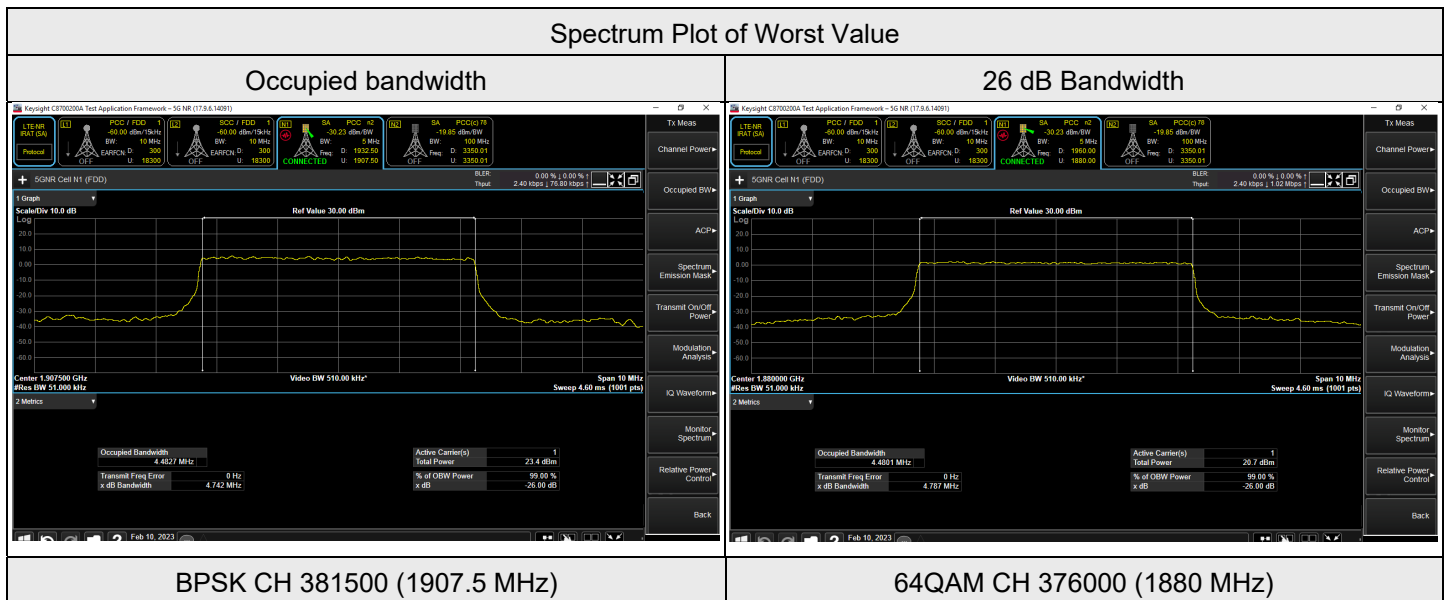
7.4 Bandwidth

Input Power:	3.85 Vdc	Environmental Conditions:	25°C, 66% RH	Tested By:	Noah Chang
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7.4.1 NR n2 SCS 15 kHz

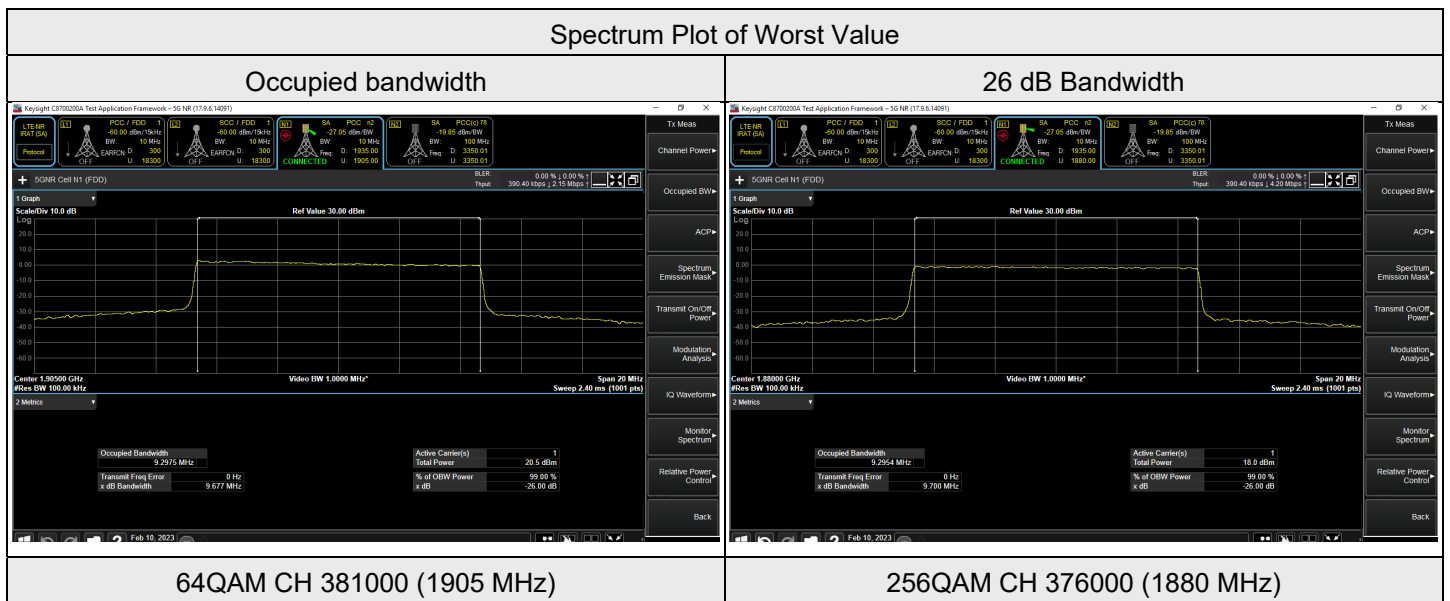
NR n2 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	370500	1852.5	4.4659	4.726
BPSK	376000	1880	4.4681	4.742
BPSK	381500	1907.5	4.4827	4.742
QPSK	370500	1852.5	4.4670	4.771
QPSK	376000	1880	4.4678	4.753
QPSK	381500	1907.5	4.4802	4.779
16QAM	370500	1852.5	4.4661	4.776
16QAM	376000	1880	4.4680	4.755
16QAM	381500	1907.5	4.4695	4.725
64QAM	370500	1852.5	4.4679	4.708
64QAM	376000	1880	4.4801	4.787
64QAM	381500	1907.5	4.4685	4.776
256QAM	370500	1852.5	4.4697	4.720
256QAM	376000	1880	4.4687	4.743
256QAM	381500	1907.5	4.4804	4.735



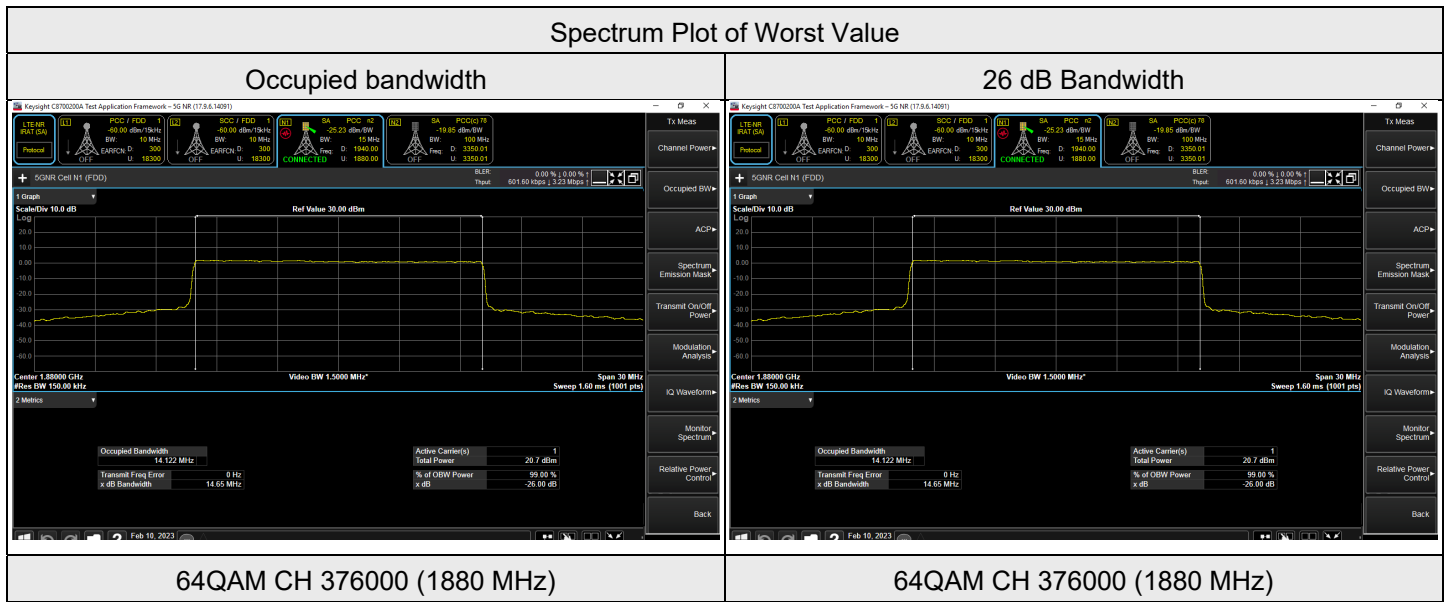
NR n2 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	371000	1855	9.1392	9.284
BPSK	376000	1880	9.2115	9.262
BPSK	381000	1905	9.2825	9.287
QPSK	371000	1855	9.2882	9.677
QPSK	376000	1880	9.2933	9.676
QPSK	381000	1905	9.2956	9.668
16QAM	371000	1855	9.2827	9.647
16QAM	376000	1880	9.2899	9.648
16QAM	381000	1905	9.2973	9.667
64QAM	371000	1855	9.2882	9.671
64QAM	376000	1880	9.2934	9.686
64QAM	381000	1905	9.2975	9.677
256QAM	371000	1855	9.2936	9.663
256QAM	376000	1880	9.2954	9.700
256QAM	381000	1905	9.2950	9.652



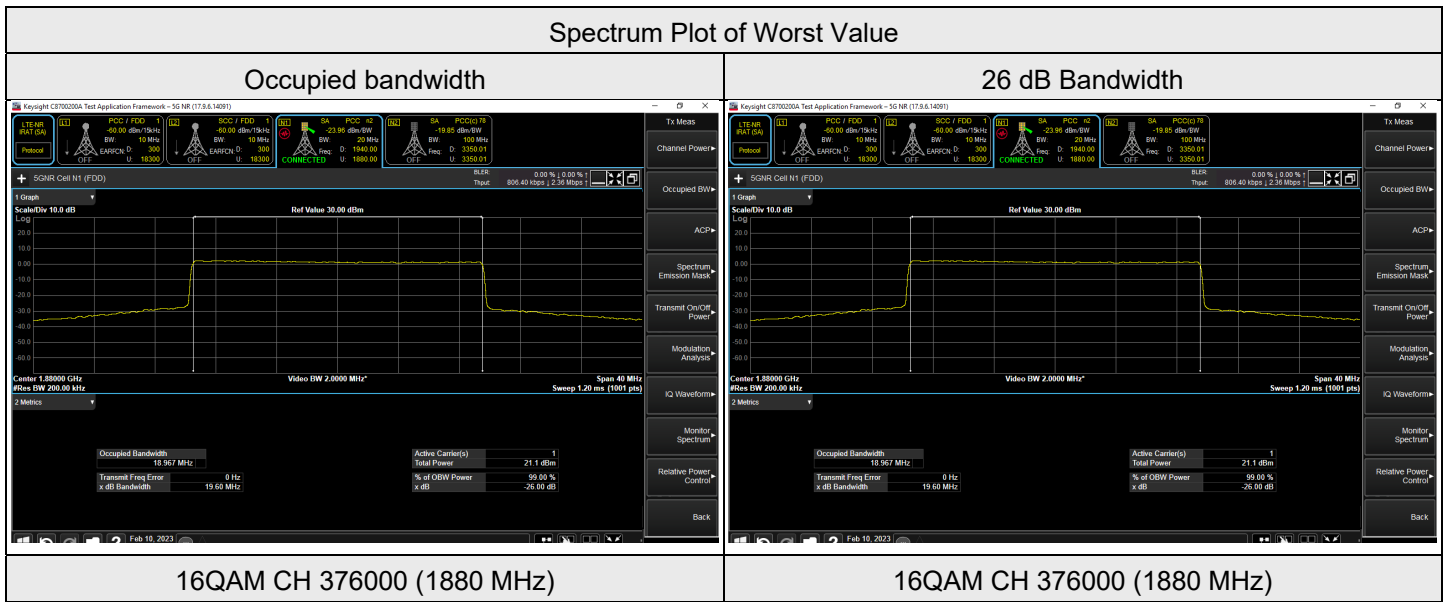
NR n2 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	371500	1857.5	13.881	13.89
BPSK	376000	1880	13.993	13.89
BPSK	380500	1902.5	14.052	13.89
QPSK	371500	1857.5	14.112	14.62
QPSK	376000	1880	14.118	14.62
QPSK	380500	1902.5	14.117	14.64
16QAM	371500	1857.5	14.107	14.61
16QAM	376000	1880	14.118	14.61
16QAM	380500	1902.5	14.120	14.63
64QAM	371500	1857.5	14.107	14.61
64QAM	376000	1880	14.122	14.65
64QAM	380500	1902.5	14.119	14.65
256QAM	371500	1857.5	14.115	14.61
256QAM	376000	1880	14.116	14.61
256QAM	380500	1902.5	14.110	14.60



NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz

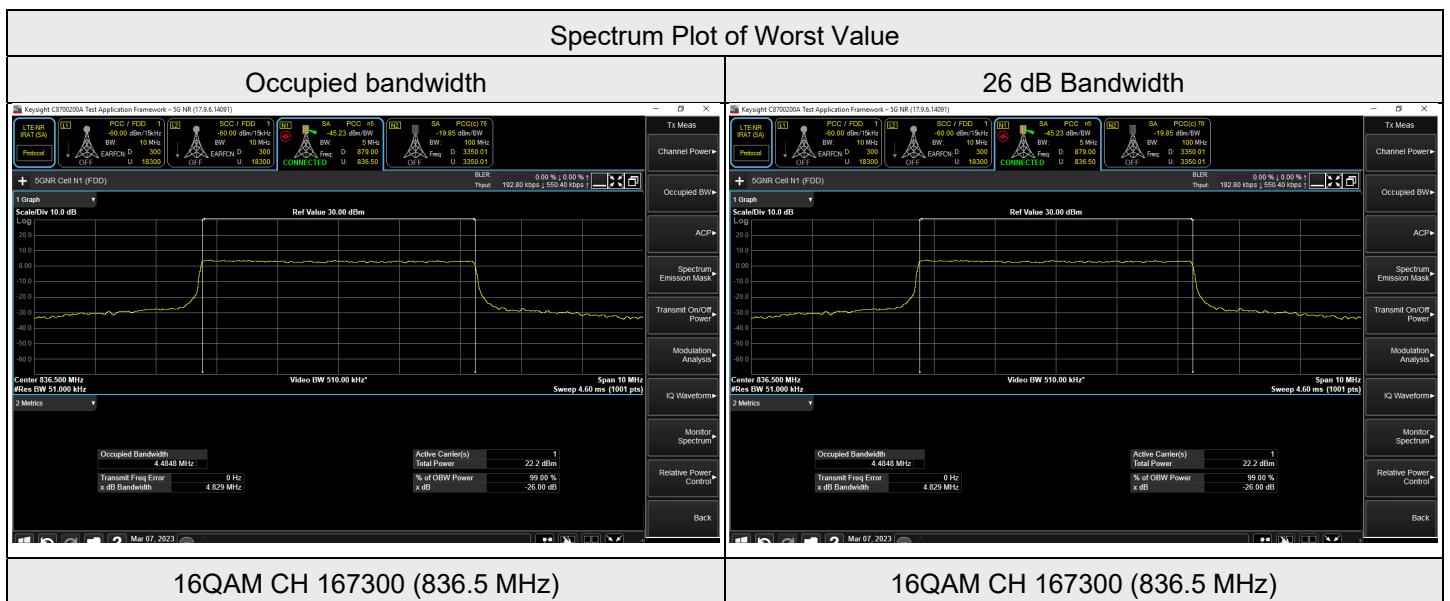
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	372000	1860	18.661	18.48
BPSK	376000	1880	18.827	18.50
BPSK	380000	1900	18.805	18.47
QPSK	372000	1860	18.908	19.58
QPSK	376000	1880	18.965	19.60
QPSK	380000	1900	18.905	19.59
16QAM	372000	1860	18.909	19.58
16QAM	376000	1880	18.967	19.60
16QAM	380000	1900	18.908	19.59
64QAM	372000	1860	18.911	19.59
64QAM	376000	1880	18.967	19.59
64QAM	380000	1900	18.899	19.57
256QAM	372000	1860	18.906	19.57
256QAM	376000	1880	18.960	19.57
256QAM	380000	1900	18.895	19.55



7.4.2 NR n5 SCS 15 kHz

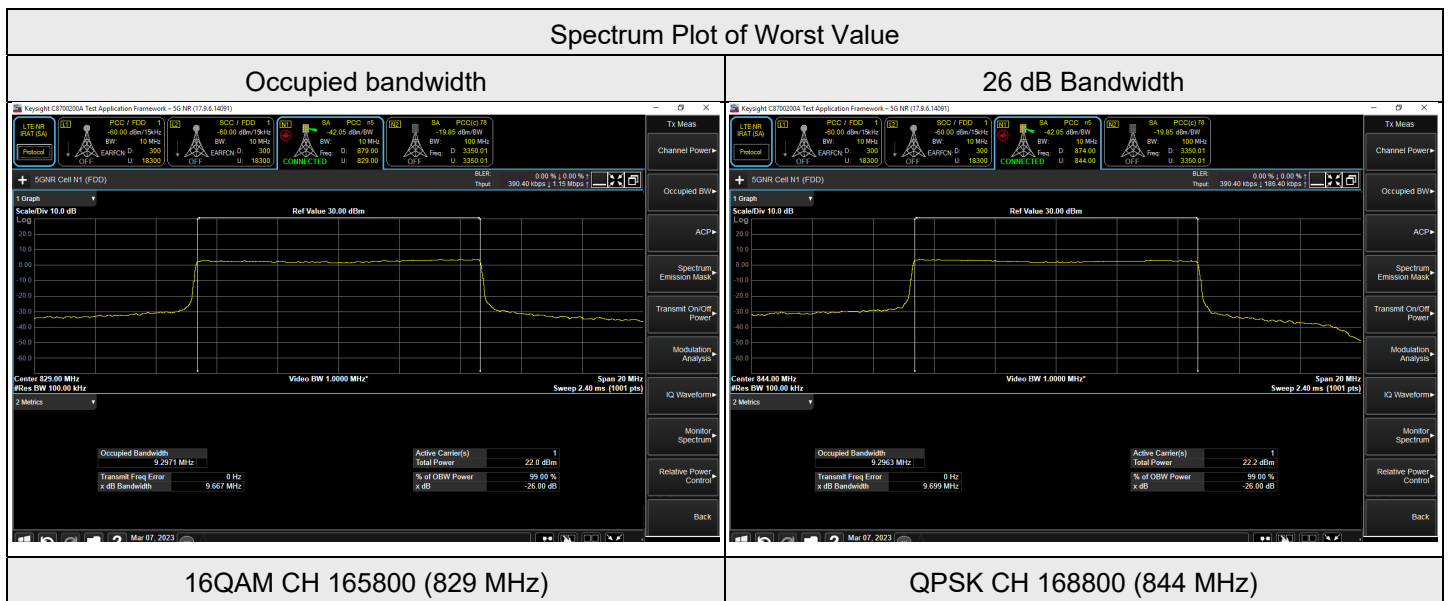
NR n5 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	165300	826.5	4.4680	4.759
BPSK	167300	836.5	4.4681	4.752
BPSK	169300	846.5	4.4831	4.782
QPSK	165300	826.5	4.4810	4.797
QPSK	167300	836.5	4.4810	4.789
QPSK	169300	846.5	4.4686	4.763
16QAM	165300	826.5	4.4819	4.770
16QAM	167300	836.5	4.4848	4.829
16QAM	169300	846.5	4.4685	4.777
64QAM	165300	826.5	4.4817	4.765
64QAM	167300	836.5	4.4689	4.729
64QAM	169300	846.5	4.4828	4.732
256QAM	165300	826.5	4.4658	4.674
256QAM	167300	836.5	4.4810	4.775
256QAM	169300	846.5	4.4691	4.732



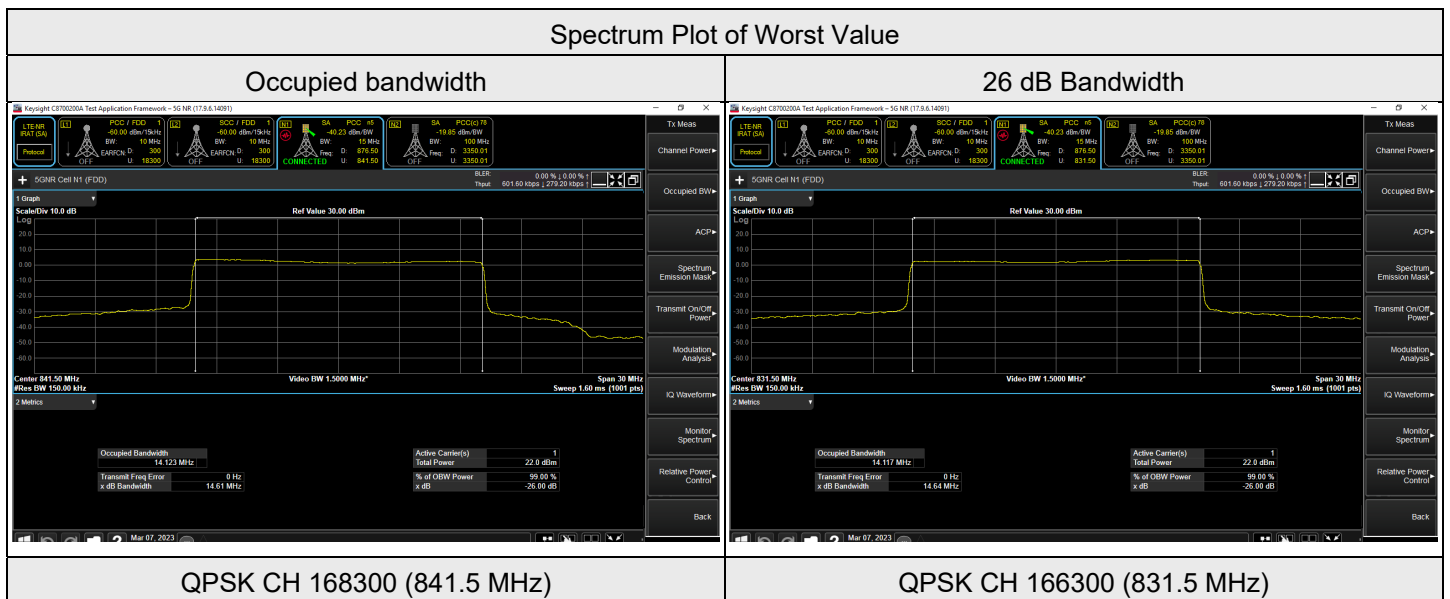
NR n5 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	165800	829	9.2414	9.262
BPSK	167300	836.5	9.2157	9.285
BPSK	168800	844	9.2403	9.271
QPSK	165800	829	9.2961	9.692
QPSK	167300	836.5	9.2917	9.680
QPSK	168800	844	9.2963	9.699
16QAM	165800	829	9.2971	9.667
16QAM	167300	836.5	9.2895	9.651
16QAM	168800	844	9.2950	9.698
64QAM	165800	829	9.2932	9.644
64QAM	167300	836.5	9.2902	9.656
64QAM	168800	844	9.2954	9.673
256QAM	165800	829	9.2964	9.679
256QAM	167300	836.5	9.2931	9.642
256QAM	168800	844	9.2969	9.668



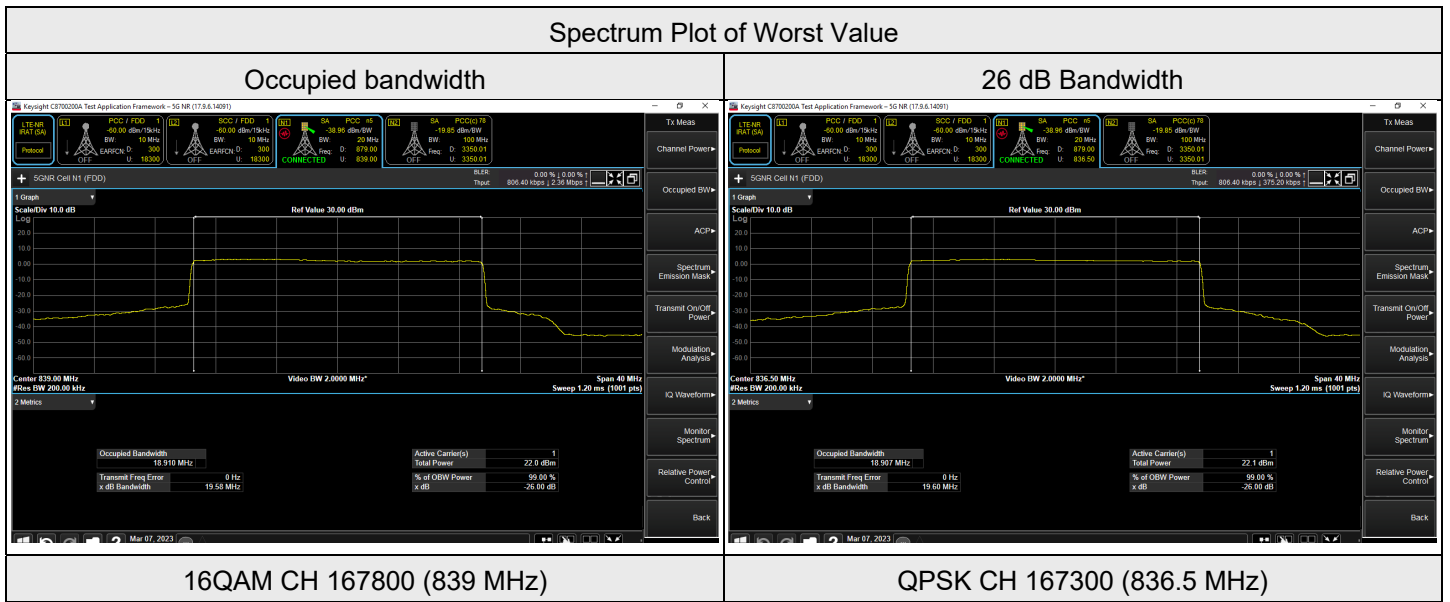
NR n5 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	166300	831.5	13.987	13.87
BPSK	167300	836.5	13.988	13.90
BPSK	168300	841.5	14.044	13.92
QPSK	166300	831.5	14.117	14.64
QPSK	167300	836.5	14.109	14.61
QPSK	168300	841.5	14.123	14.61
16QAM	166300	831.5	14.118	14.63
16QAM	167300	836.5	14.113	14.64
16QAM	168300	841.5	14.122	14.62
64QAM	166300	831.5	14.117	14.62
64QAM	167300	836.5	14.105	14.61
64QAM	168300	841.5	14.115	14.59
256QAM	166300	831.5	14.113	14.61
256QAM	167300	836.5	14.112	14.61
256QAM	168300	841.5	14.121	14.59



NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz

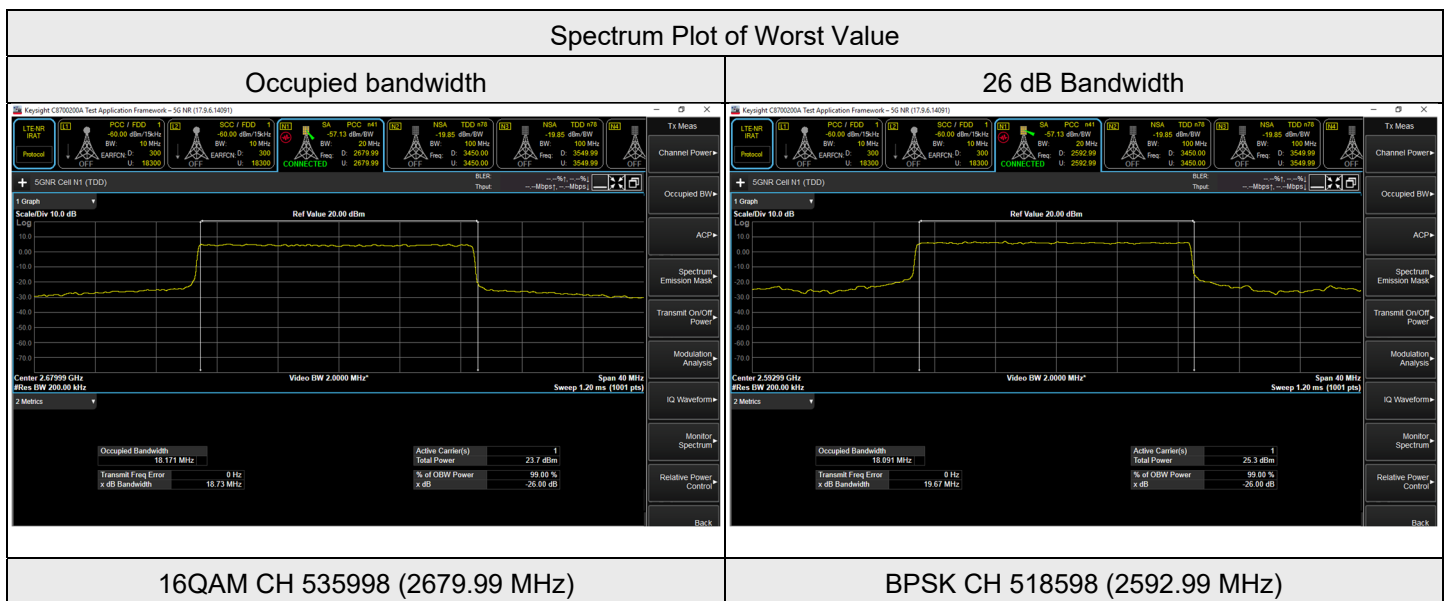
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	166800	834	18.679	18.49
BPSK	167300	836.5	18.753	18.48
BPSK	167800	839	18.807	18.50
QPSK	166800	834	18.904	19.60
QPSK	167300	836.5	18.907	19.60
QPSK	167800	839	18.907	19.58
16QAM	166800	834	18.909	19.58
16QAM	167300	836.5	18.908	19.59
16QAM	167800	839	18.910	19.58
64QAM	166800	834	18.897	19.58
64QAM	167300	836.5	18.909	19.59
64QAM	167800	839	18.908	19.56
256QAM	166800	834	18.898	19.54
256QAM	167300	836.5	18.906	19.55
256QAM	167800	839	18.901	19.56



7.4.3 NR n41 SCS 30 kHz

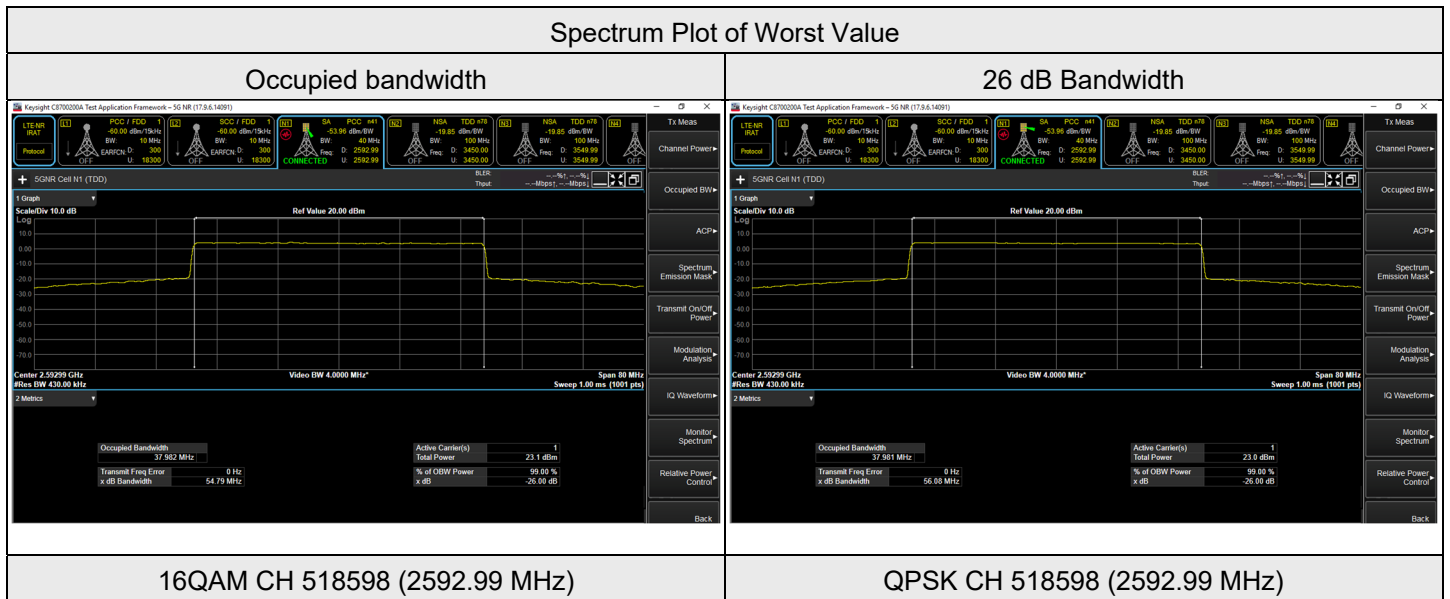
NR n41 SCS 30 kHz, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	501204	2506.02	17.958	18.77
BPSK	518598	2592.99	18.091	19.67
BPSK	535998	2679.99	18.084	18.95
QPSK	501204	2506.02	18.025	19.01
QPSK	518598	2592.99	18.167	19.53
QPSK	535998	2679.99	18.120	19.01
16QAM	501204	2506.02	18.032	18.69
16QAM	518598	2592.99	18.165	19.05
16QAM	535998	2679.99	18.171	18.73
64QAM	501204	2506.02	18.021	18.63
64QAM	518598	2592.99	18.108	18.84
64QAM	535998	2679.99	18.111	18.77
256QAM	501204	2506.02	17.955	18.55
256QAM	518598	2592.99	18.030	18.57
256QAM	535998	2679.99	18.090	18.60



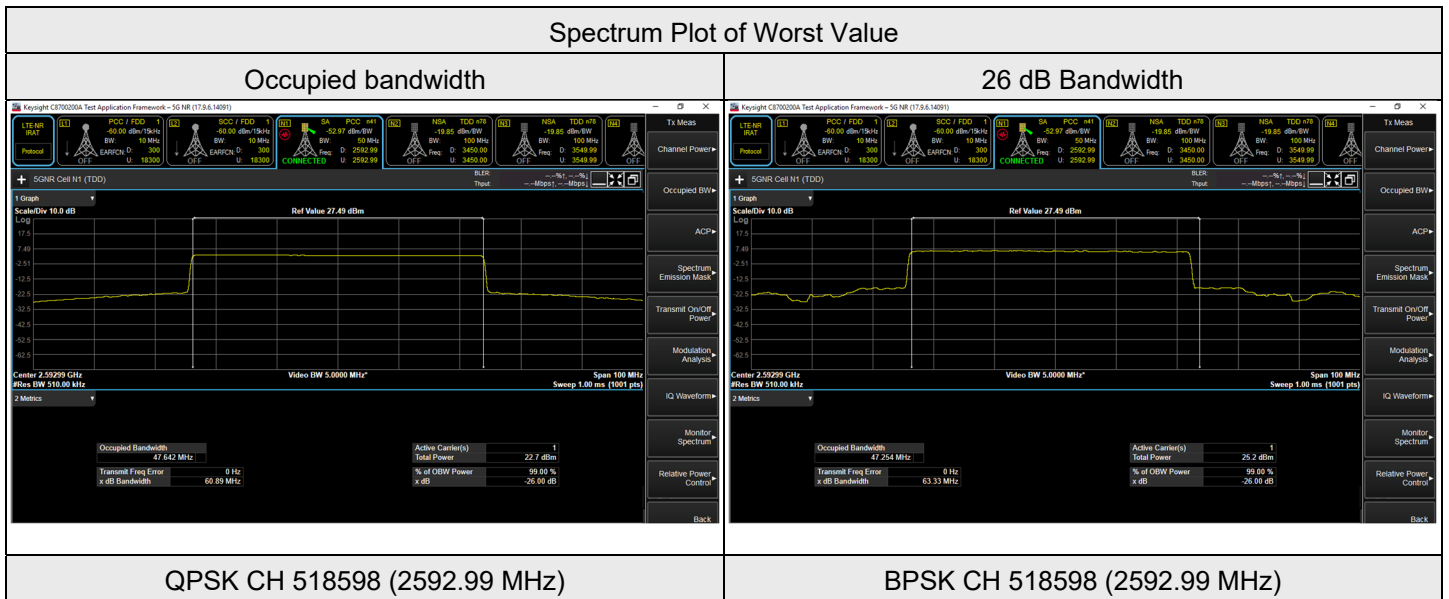
NR n41 SCS 30 kHz, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	503202	2516.01	37.354	38.13
BPSK	518598	2592.99	37.620	41.86
BPSK	534000	2670	37.651	38.48
QPSK	503202	2516.01	37.935	42.11
QPSK	518598	2592.99	37.981	56.08
QPSK	534000	2670	37.958	39.59
16QAM	503202	2516.01	37.931	43.67
16QAM	518598	2592.99	37.982	54.79
16QAM	534000	2670	37.944	39.65
64QAM	503202	2516.01	37.925	40.02
64QAM	518598	2592.99	37.948	46.94
64QAM	534000	2670	37.956	39.60
256QAM	503202	2516.01	37.818	39.2
256QAM	518598	2592.99	37.832	39.21
256QAM	534000	2670	37.926	39.21



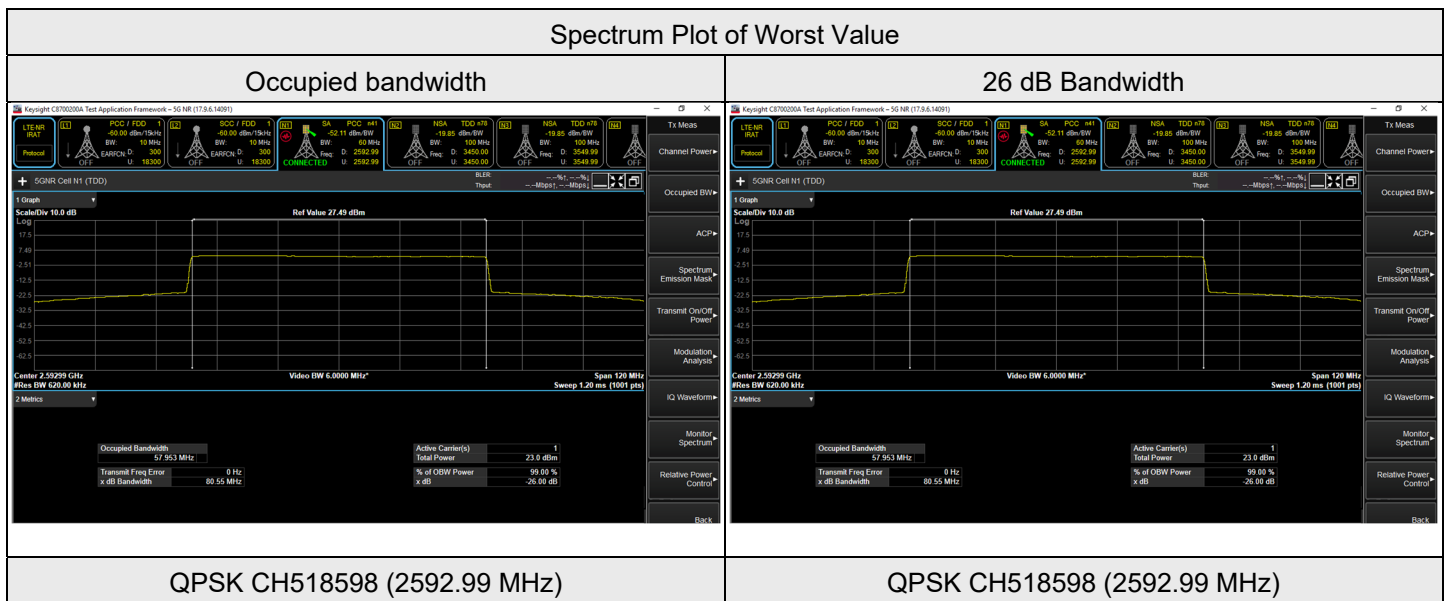
NR n41 SCS 30 kHz, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	504204	2521.02	47.045	56.96
BPSK	518598	2592.99	47.254	63.33
BPSK	532998	2664.99	47.274	54.43
QPSK	504204	2521.02	47.609	56.08
QPSK	518598	2592.99	47.642	60.89
QPSK	532998	2664.99	47.629	49.37
16QAM	504204	2521.02	47.610	55.51
16QAM	518598	2592.99	47.638	58.48
16QAM	532998	2664.99	47.628	49.66
64QAM	504204	2521.02	47.613	54.19
64QAM	518598	2592.99	47.642	58.92
64QAM	532998	2664.99	47.628	49.66
256QAM	504204	2521.02	47.466	49.13
256QAM	518598	2592.99	47.483	49.14
256QAM	532998	2664.99	47.497	49.10



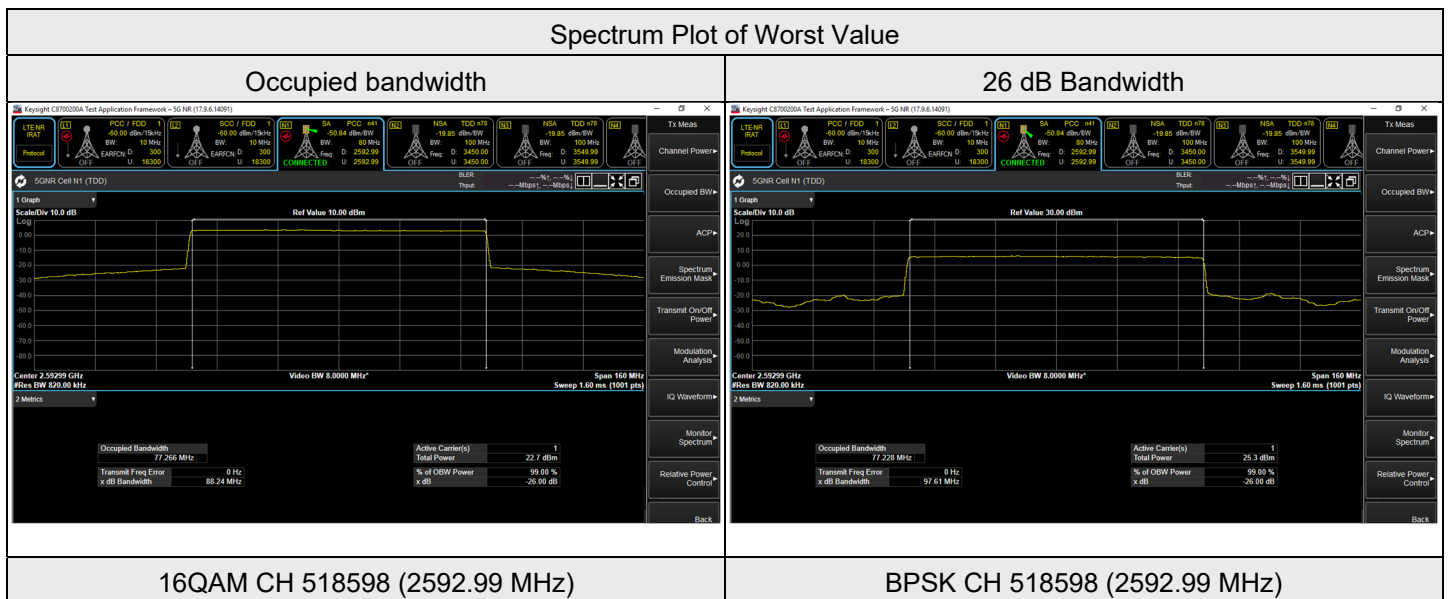
NR n41 SCS 30 kHz, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	505200	2526	57.866	61.01
BPSK	518598	2592.99	57.895	66.18
BPSK	531996	2659.98	57.887	60.24
QPSK	505200	2526	57.900	63.48
QPSK	518598	2592.99	57.953	80.55
QPSK	531996	2659.98	57.917	60.06
16QAM	505200	2526	57.900	64.58
16QAM	518598	2592.99	57.941	76.95
16QAM	531996	2659.98	57.910	60.07
64QAM	505200	2526	57.886	60.02
64QAM	518598	2592.99	57.924	66.58
64QAM	531996	2659.98	57.914	60.04
256QAM	505200	2526	57.858	59.75
256QAM	518598	2592.99	57.881	59.78
256QAM	531996	2659.98	57.886	59.76



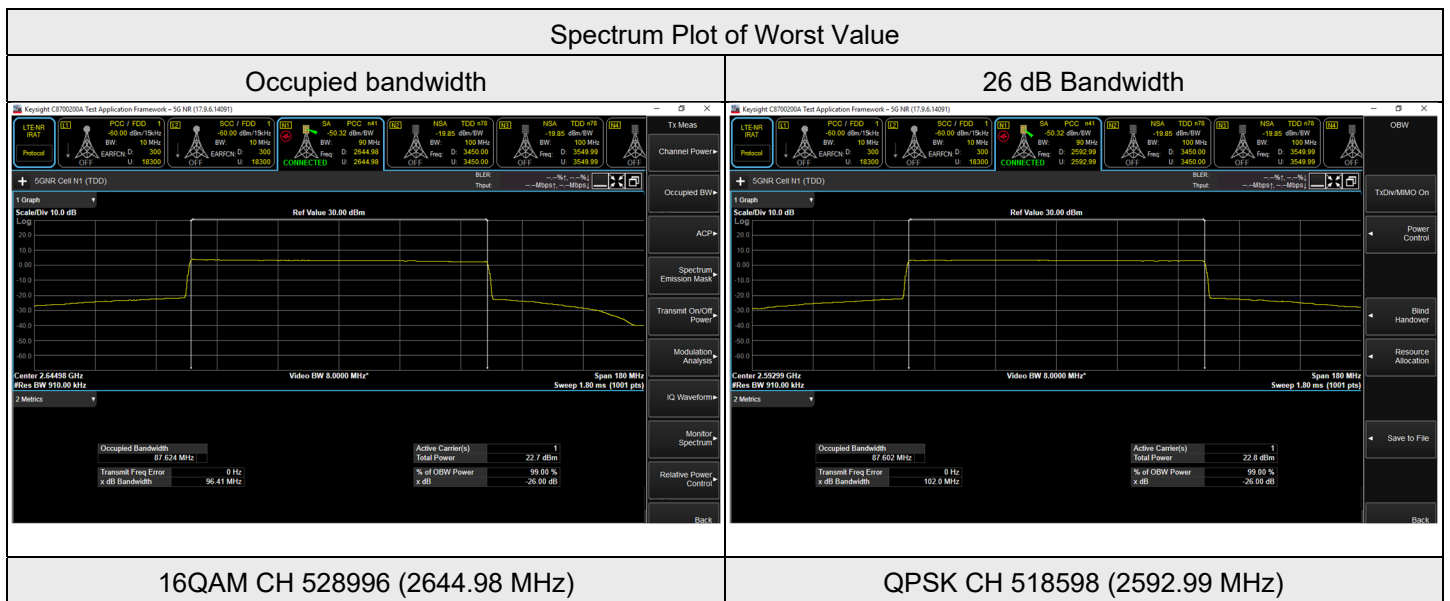
NR n41 SCS 30 kHz, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	507204	2536.02	77.164	96.84
BPSK	518598	2592.99	77.228	97.61
BPSK	529998	2649.99	77.230	79.95
QPSK	507204	2536.02	77.181	80.09
QPSK	518598	2592.99	77.263	92.33
QPSK	529998	2649.99	77.260	79.98
16QAM	507204	2536.02	77.182	80.81
16QAM	518598	2592.99	77.266	88.24
16QAM	529998	2649.99	77.265	79.97
64QAM	507204	2536.02	77.169	80.02
64QAM	518598	2592.99	77.253	83.73
64QAM	529998	2649.99	77.238	79.81
256QAM	507204	2536.02	76.957	79.64
256QAM	518598	2592.99	77.162	79.64
256QAM	529998	2649.99	77.192	79.64



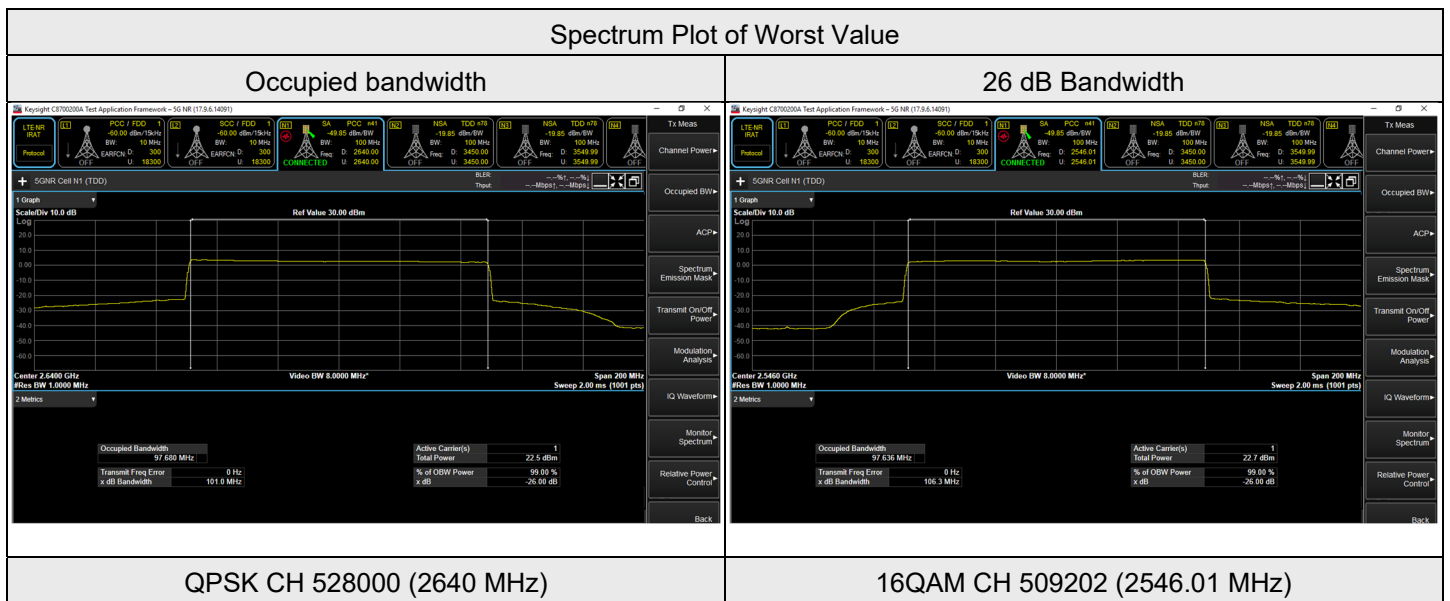
NR n41 SCS 30 kHz, Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	508200	2541	86.801	96
BPSK	518598	2592.99	86.879	92.46
BPSK	528996	2644.98	86.939	92.19
QPSK	508200	2541	87.549	90.89
QPSK	518598	2592.99	87.602	102
QPSK	528996	2644.98	87.606	94.67
16QAM	508200	2541	87.562	92.80
16QAM	518598	2592.99	87.610	97.99
16QAM	528996	2644.98	87.624	96.41
64QAM	508200	2541	87.535	90.79
64QAM	518598	2592.99	87.579	91.71
64QAM	528996	2644.98	87.581	90.74
256QAM	508200	2541	87.487	90.31
256QAM	518598	2592.99	87.509	90.31
256QAM	528996	2644.98	87.532	90.29



NR n41 SCS 30 kHz, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	509202	2546.01	94.465	101.6
BPSK	518598	2592.99	96.810	99.88
BPSK	528000	2640	96.924	104.7
QPSK	509202	2546.01	97.610	102.7
QPSK	518598	2592.99	97.657	101
QPSK	528000	2640	97.680	101
16QAM	509202	2546.01	97.636	106.3
16QAM	518598	2592.99	97.655	101.5
16QAM	528000	2640	97.675	101.2
64QAM	509202	2546.01	97.390	100.8
64QAM	518598	2592.99	97.645	100.9
64QAM	528000	2640	97.655	100.8
256QAM	509202	2546.01	97.344	100.5
256QAM	518598	2592.99	97.377	100.6
256QAM	528000	2640	97.608	100.5

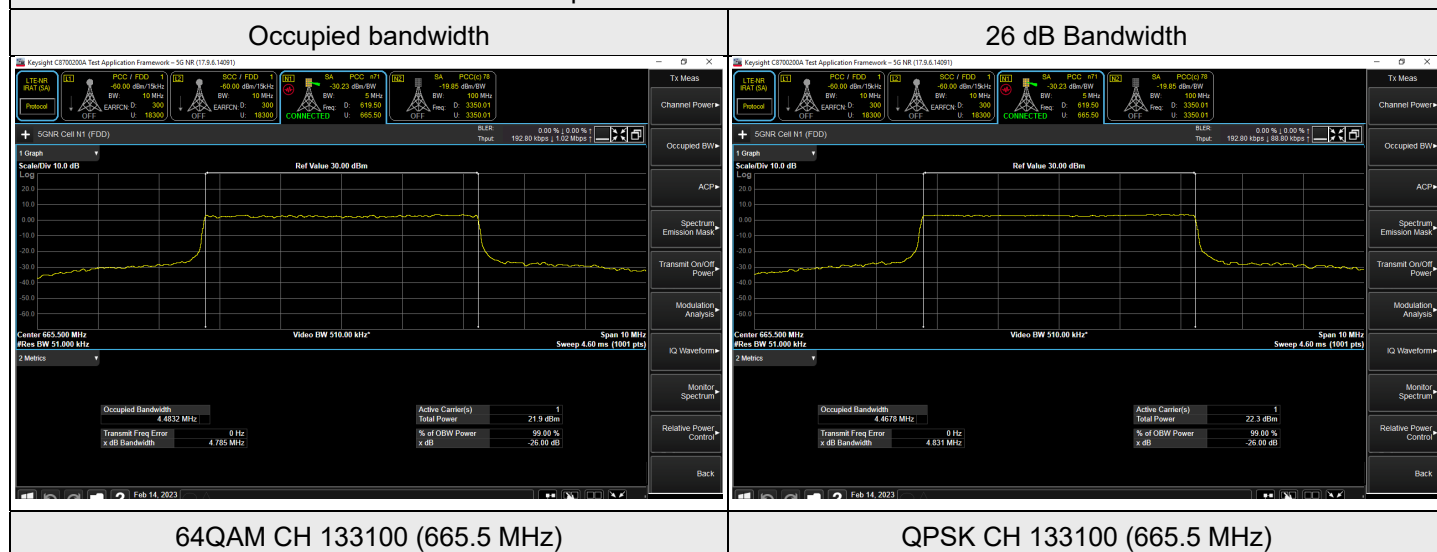


7.4.4 NR n71 SCS 15 kHz

NR n71 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	133100	665.5	4.4826	4.768
BPSK	136100	680.5	4.4635	4.729
BPSK	139100	695.5	4.4812	4.717
QPSK	133100	665.5	4.4678	4.831
QPSK	136100	680.5	4.4691	4.787
QPSK	139100	695.5	4.4667	4.731
16QAM	133100	665.5	4.4805	4.804
16QAM	136100	680.5	4.4662	4.735
16QAM	139100	695.5	4.4681	4.720
64QAM	133100	665.5	4.4832	4.785
64QAM	136100	680.5	4.4682	4.805
64QAM	139100	695.5	4.4691	4.774
256QAM	133100	665.5	4.4805	4.780
256QAM	136100	680.5	4.4683	4.720
256QAM	139100	695.5	4.4669	4.690

Spectrum Plot of Worst Value



NR n71 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	133600	668	9.1749	9.279
BPSK	136100	680.5	9.2181	9.302
BPSK	138600	693	9.2089	9.276
QPSK	133600	668	9.2825	9.706
QPSK	136100	680.5	9.2883	9.704
QPSK	138600	693	9.2589	9.640
16QAM	133600	668	9.2862	9.697
16QAM	136100	680.5	9.2928	9.702
16QAM	138600	693	9.2824	9.633
64QAM	133600	668	9.2884	9.710
64QAM	136100	680.5	9.2890	9.686
64QAM	138600	693	9.2591	9.685
256QAM	133600	668	9.2834	9.671
256QAM	136100	680.5	9.2877	9.672
256QAM	138600	693	9.2818	9.653

Spectrum Plot of Worst Value

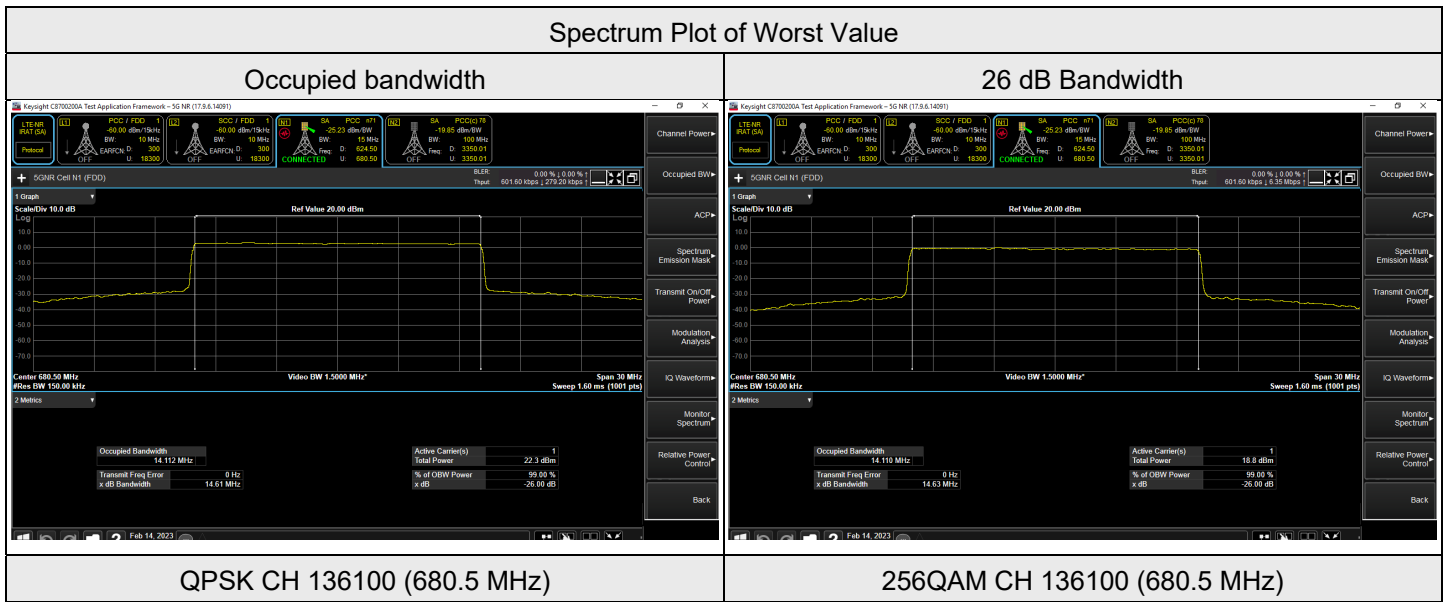


16QAM CH 136100 (680.5 MHz)

64QAM CH 133600 (668 MHz)

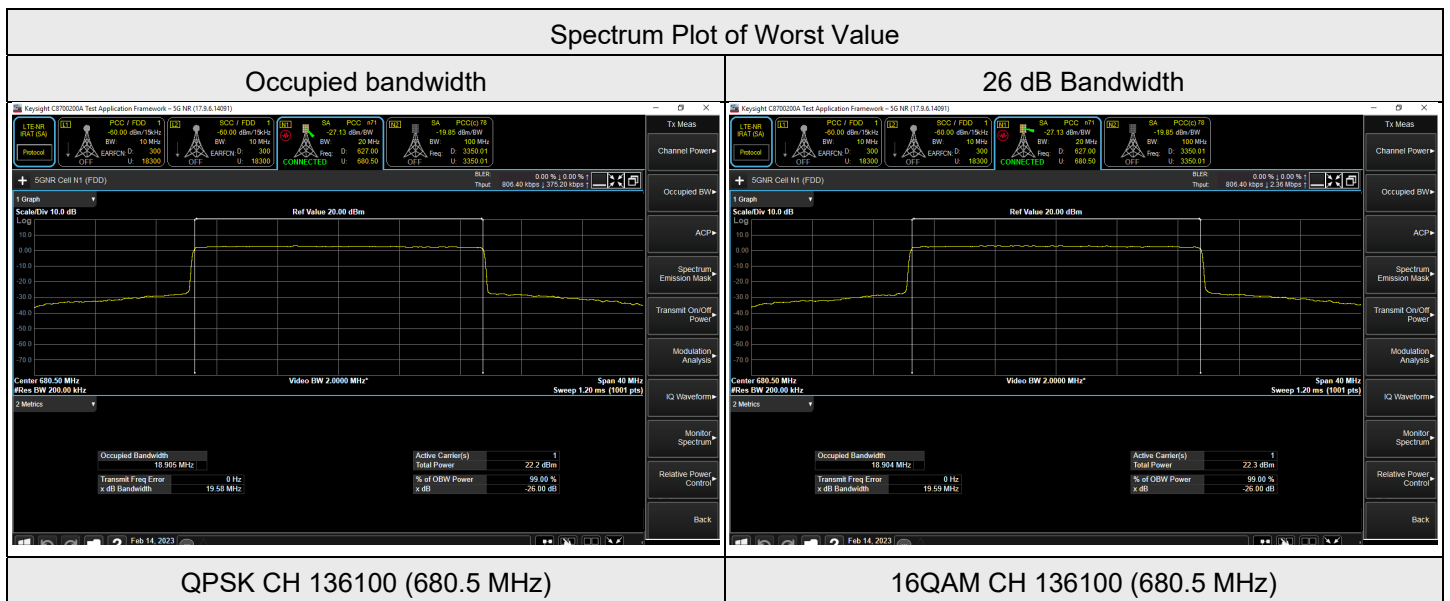
NR n71 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	134100	670.5	13.932	13.90
BPSK	136100	680.5	14.003	13.91
BPSK	138100	690.5	13.980	13.90
QPSK	134100	670.5	14.067	14.60
QPSK	136100	680.5	14.112	14.61
QPSK	138100	690.5	14.066	14.61
16QAM	134100	670.5	14.070	14.61
16QAM	136100	680.5	14.112	14.61
16QAM	138100	690.5	14.068	14.60
64QAM	134100	670.5	14.104	14.61
64QAM	136100	680.5	14.111	14.61
64QAM	138100	690.5	14.070	14.62
256QAM	134100	670.5	14.066	14.62
256QAM	136100	680.5	14.110	14.63
256QAM	138100	690.5	14.066	14.60



NR n71 SCS 15 kHz, Channel Bandwidth: 20 MHz

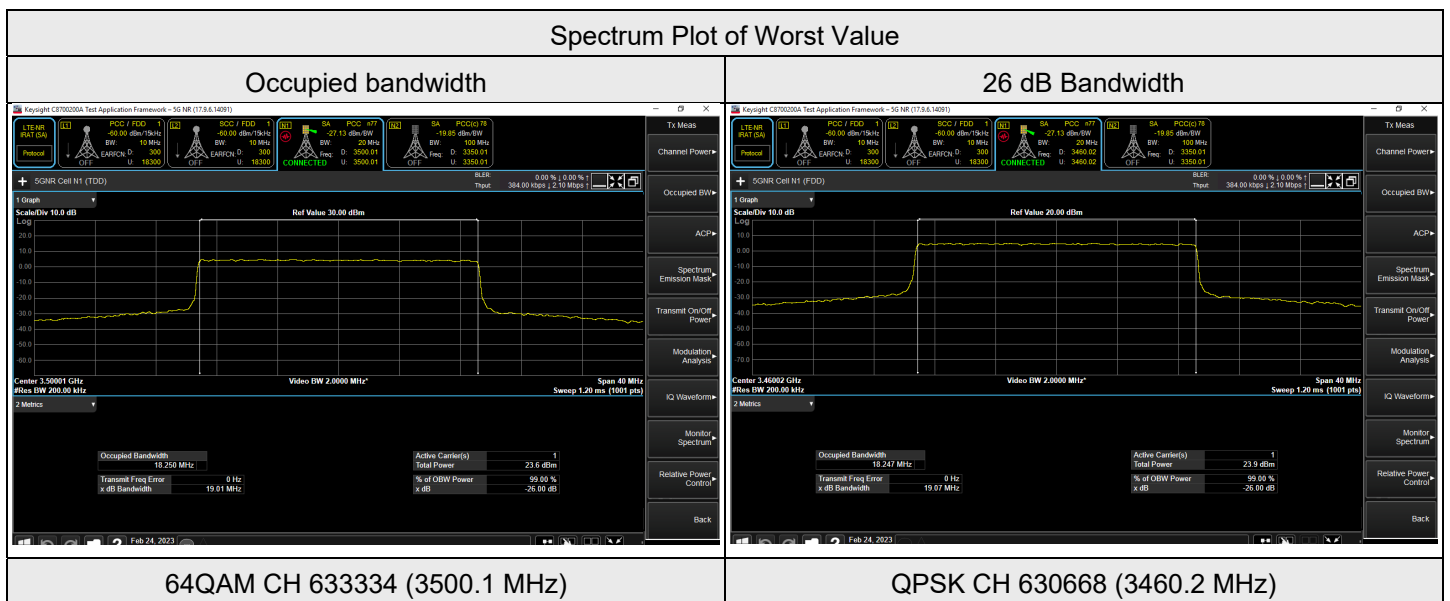
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	134600	673	18.649	18.48
BPSK	136100	680.5	18.732	18.49
BPSK	137600	688	18.736	18.47
QPSK	134600	673	18.839	19.56
QPSK	136100	680.5	18.905	19.58
QPSK	137600	688	18.893	19.58
16QAM	134600	673	18.839	19.58
16QAM	136100	680.5	18.904	19.59
16QAM	137600	688	18.892	19.57
64QAM	134600	673	18.886	19.55
64QAM	136100	680.5	18.905	19.57
64QAM	137600	688	18.888	19.56
256QAM	134600	673	18.886	19.55
256QAM	136100	680.5	18.898	19.58
256QAM	137600	688	18.885	19.54



7.4.5 NR n77 (3450-3550 MHz) SCS 30 kHz

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630668	3460.2	18.033	18.66
BPSK	633334	3500.1	18.081	18.59
BPSK	636000	3540	18.019	18.53
QPSK	630668	3460.2	18.199	18.99
QPSK	633334	3500.1	18.197	18.99
QPSK	636000	3540	18.196	19.04
16QAM	630668	3460.2	18.191	19.01
16QAM	633334	3500.1	18.192	19.00
16QAM	636000	3540	18.194	18.97
64QAM	630668	3460.2	18.247	19.07
64QAM	633334	3500.1	18.250	19.01
64QAM	636000	3540	18.244	19.00
256QAM	630668	3460.2	18.243	19.01
256QAM	633334	3500.1	18.247	18.99
256QAM	636000	3540	18.244	18.93

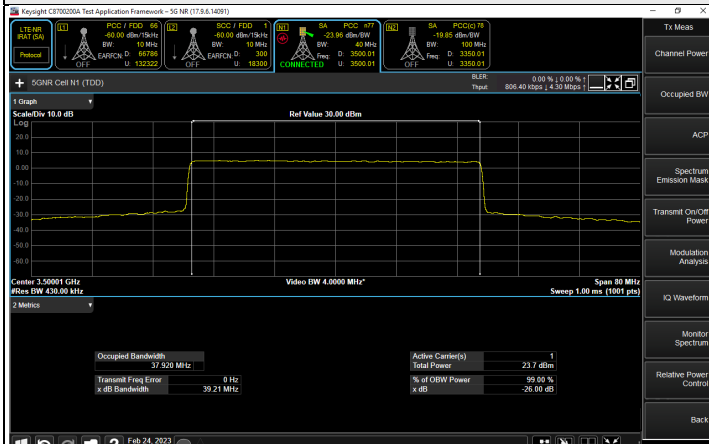


NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631334	3470.1	37.621	37.06
BPSK	633334	3500.1	37.626	37.05
BPSK	635332	3529.98	37.514	37.03
QPSK	631334	3470.1	37.825	39.21
QPSK	633334	3500.1	37.828	39.22
QPSK	635332	3529.98	37.821	39.21
16QAM	631334	3470.1	37.825	39.24
16QAM	633334	3500.1	37.827	39.22
16QAM	635332	3529.98	37.821	39.22
64QAM	631334	3470.1	37.831	39.24
64QAM	633334	3500.1	37.920	39.21
64QAM	635332	3529.98	37.833	39.23
256QAM	631334	3470.1	37.833	39.20
256QAM	633334	3500.1	37.839	39.20
256QAM	635332	3529.98	37.830	39.21

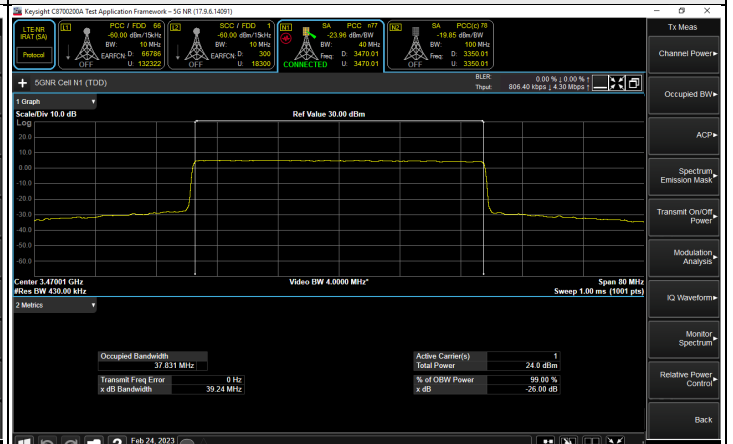
Spectrum Plot of Worst Value

Occupied bandwidth



64QAM CH 633334 (3500.1 MHz)

26 dB Bandwidth

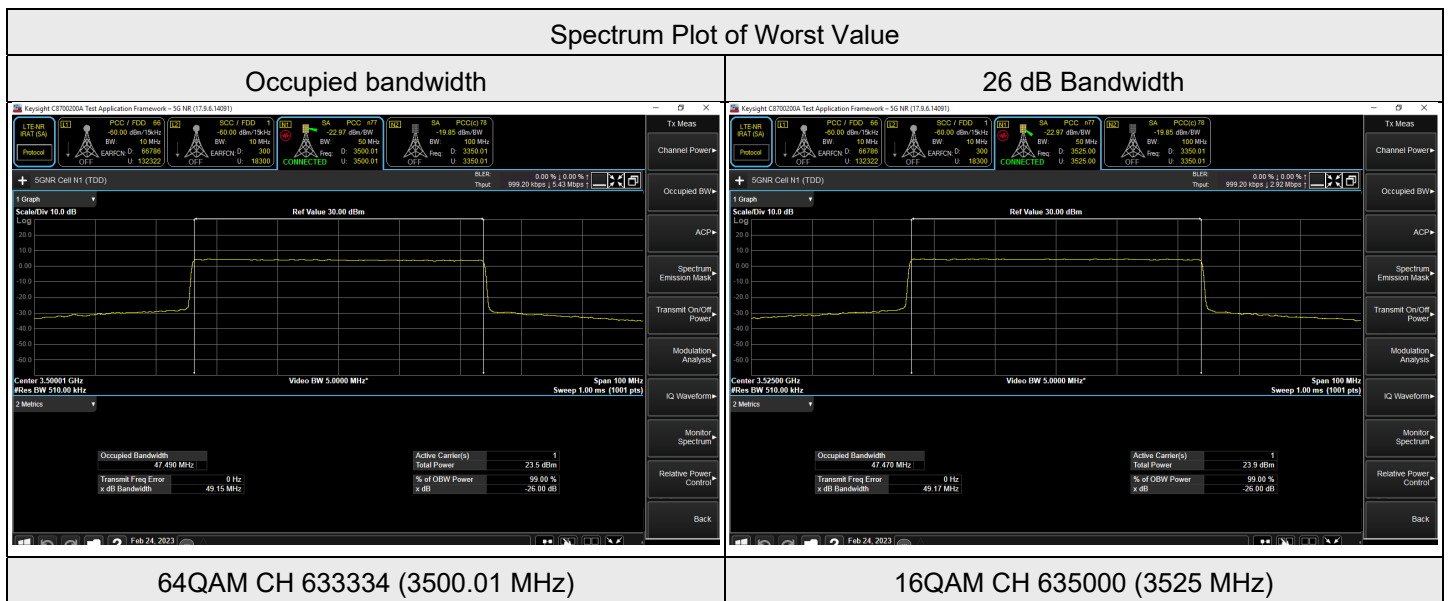


64QAM CH 631334 (3470.1 MHz)



NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631668	3475.02	47.075	47.31
BPSK	633334	3500.01	47.068	47.32
BPSK	635000	3525	47.067	47.32
QPSK	631668	3475.02	47.472	49.14
QPSK	633334	3500.01	47.478	49.15
QPSK	635000	3525	47.472	49.14
16QAM	631668	3475.02	47.465	49.13
16QAM	633334	3500.01	47.479	49.13
16QAM	635000	3525	47.470	49.17
64QAM	631668	3475.02	47.480	49.15
64QAM	633334	3500.01	47.490	49.15
64QAM	635000	3525	47.482	49.16
256QAM	631668	3475.02	47.469	49.11
256QAM	633334	3500.01	47.478	49.14
256QAM	635000	3525	47.472	49.13



7.4.6 NR n77 (3700-3980 MHz) SCS 30 kHz

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647334	3710.01	18.004	18.64
BPSK	656000	3840	18.013	18.56
BPSK	664666	3969.99	18.009	18.58
QPSK	647334	3710.01	18.240	19.00
QPSK	656000	3840	18.241	19.07
QPSK	664666	3969.99	18.198	19.09
16QAM	647334	3710.01	18.196	19.10
16QAM	656000	3840	18.241	18.97
16QAM	664666	3969.99	18.198	19.04
64QAM	647334	3710.01	18.252	19.03
64QAM	656000	3840	18.249	18.99
64QAM	664666	3969.99	18.198	19.04
256QAM	647334	3710.01	18.244	18.99
256QAM	656000	3840	18.245	18.94
256QAM	664666	3969.99	18.243	18.95

